



January 26, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RECEIVED

JAN 27 2004


DIV. OF OIL, GAS & MINING

RE: Applications for Permit to Drill: Federal 1-7-9-18, 3-7-9-18, 5-7-9-18, 7-7-9-18, 11-7-9-18, and 13-7-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

  
Mandie Crozier  
Regulatory Specialist

mc  
enclosures

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.  
U-16540

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA Agreement, Name and No.  
Eight mile ~~N/A~~

8. Lease Name and Well No.  
Federal 7-9-18

9. API Well No.  
43-047-35450

10. Field and Pool, or Exploratory  
Eight Mile Flat

11. Sec., T., R., M., or Blk. and Survey or Area  
SW/NE Sec. 7, T9S R18E

12. County or Parish  
Uintah

13. State  
UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
Inland Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface SW/NE 1981' FNL 1981' FEL 4433340 Y 40.04728  
At proposed prod. zone 590989 X -109.93335

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 18.5 miles southeast of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1981' f/lse, NA f/unit

16. No. of Acres in lease  
1356.44

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1319'

19. Proposed Depth  
6500'

20. BLM/BIA Bond No. on file  
#4488944

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5050' GL

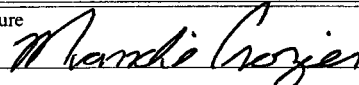
22. Approximate date work will start\*  
2nd Quarter 2004

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

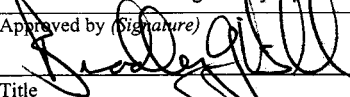
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. I, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature  Name (Printed/Typed) Mandie Crozier Date 1/26/04

Title Regulatory Specialist

Approved by (Signature)  Name (Printed/Typed) BRADLEY G. HILL Date 01-28-04

Title Office ENVIRONMENTAL SCIENTIST III

Federal Approval of this Action is Necessary

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

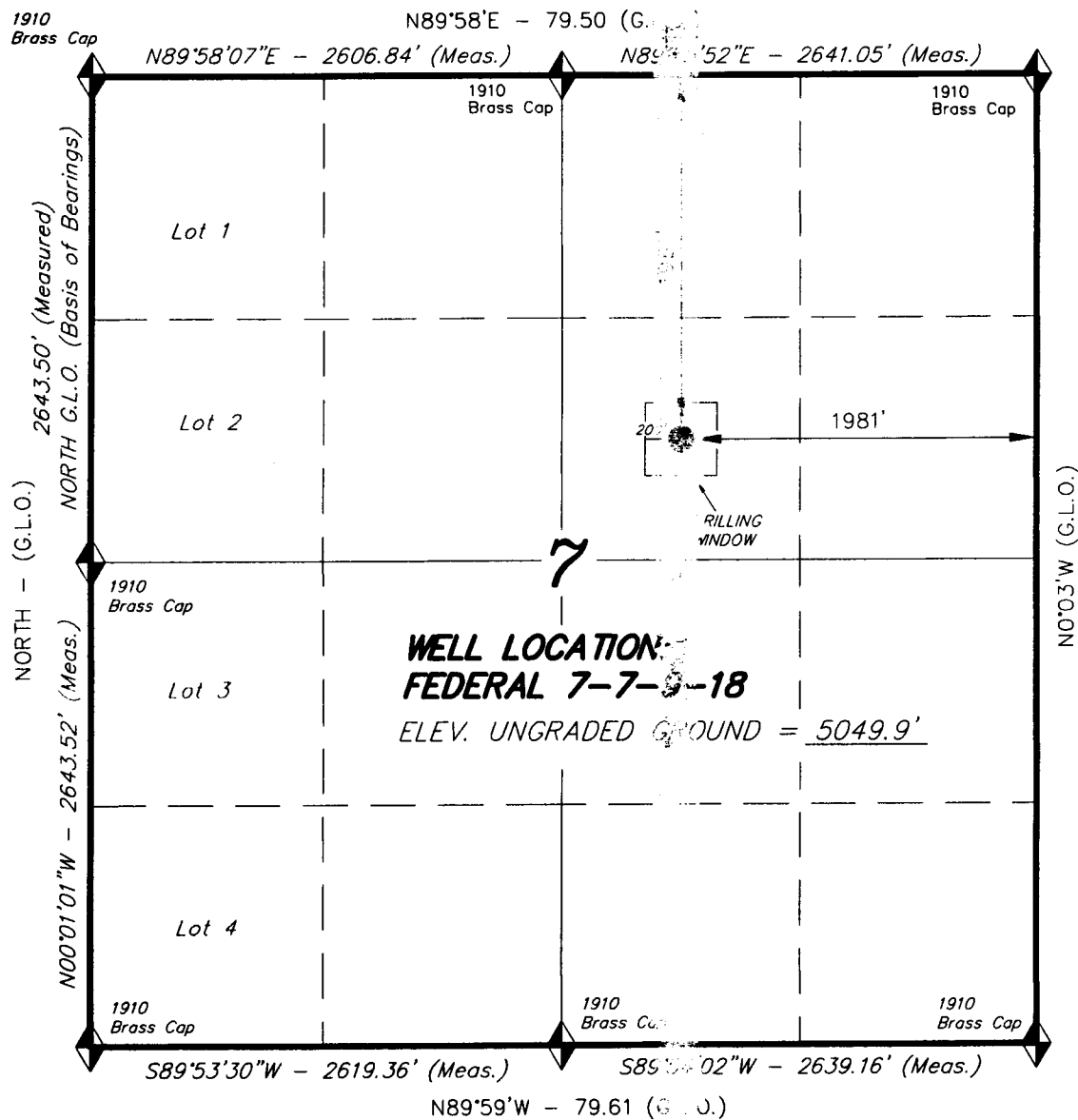
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

**T9S, R18E, S.1.B.&M.**

*INLAND PRODUCTION COMPANY*

WELL LOCATION, FEDERAL 7-7-9-18,  
LOCATED AS SHOWN IN THE SW 1/4 NE  
1/4 OF SECTION 7, T9S, R18E, S.L.B.&M.  
UINTAH COUNTY, UTAH.



 = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.

STACY W.  
STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 18937  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: G.S.

DATE: 10-9-03

DRAWN BY: J.R.S.

NOTES:

FILE #

INLAND PRODUCTION COMPANY  
FEDERAL #7-7-9-18  
SW/NE SECTION 7, T9S, R18E  
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1640'
Green River	1640'
Wasatch	5870'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1640' – 6500' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
FEDERAL #7-7-9-18  
SW/NE SECTION 7, T9S, R18E  
UINTAH COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Federal #7-7-9-18 located in the SW 1/4 NE 1/4 Section 7, T9S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 3.6 miles  $\pm$  to it's junction with an existing road to the east; proceed northeasterly - 1.2 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly - 0.4 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed westerly along the proposed access road 1,375'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #03-213, 1/20/04. Paleontological Resource Survey prepared by, Wade E. Miller, 11/21/03. See attached report cover pages, Exhibit "D".

Inland Production Company requests a 60' ROW for the Federal #7-7-9-18 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company also requests a 60' ROW be granted for the Federal #7-7-9-18 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Please refer to the Monument Butte Field SOP.

**Reserve Pit Liner**

Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	<i>Atriplex confertifolia</i>	4 lbs/acre
Gardners Saltbush	<i>Atriplex corrugata</i>	4 lbs/acre
Galleta Grass	<i>Hilaria jamesii</i>	4 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #7-7-9-18 was on-sited on 8/21/03. The following were present; Brad Mecham (Inland Production), Byron Tolman (Bureau of Land Management), and a SWCA representative. Weather conditions were clear.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

**Representative**

Name: Brad Mecham

Address: Route #3 Box 3630

Myton, UT. 84052

Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #7-7-9-18 SW/NE Section 7, Township 9S, Range 18E: Lease U-16540 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1/26/04

Date

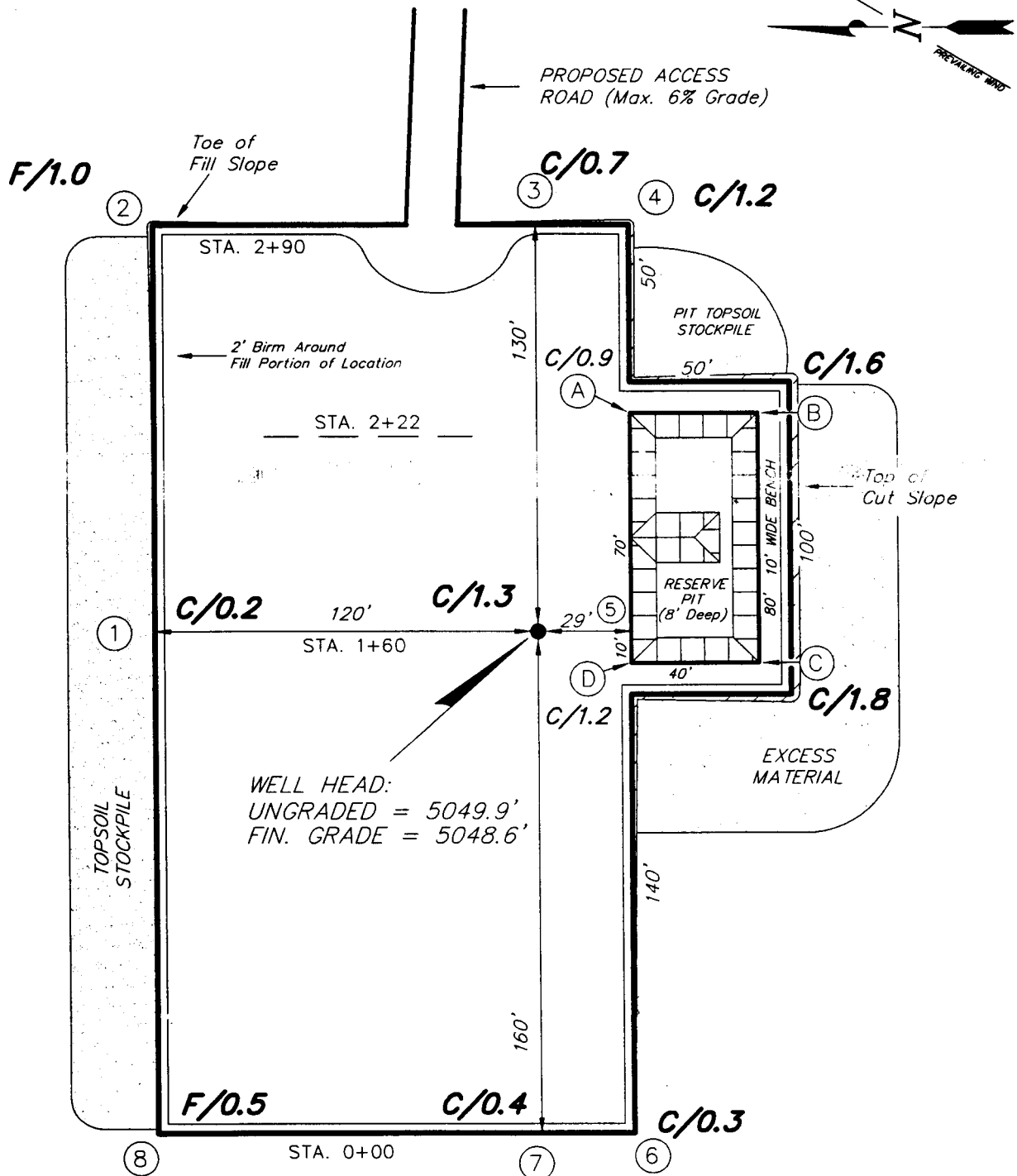
Mandie Crozier

Mandie Crozier  
Regulatory Specialist

# INLAND PRODUCTION COMPANY

FEDERAL 7-7-9-18

Section 7, T9S, R18E, S.L.B.&M.



## REFERENCE POINTS

210' WEST = 5049.1'  
 260' WEST = 5048.8'  
 170' NORTH = 5048.6'  
 220' NORTH = 5048.0'

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 7-9-03

**Tri State**  
 Land Surveying, Inc.

(435) 781-2501

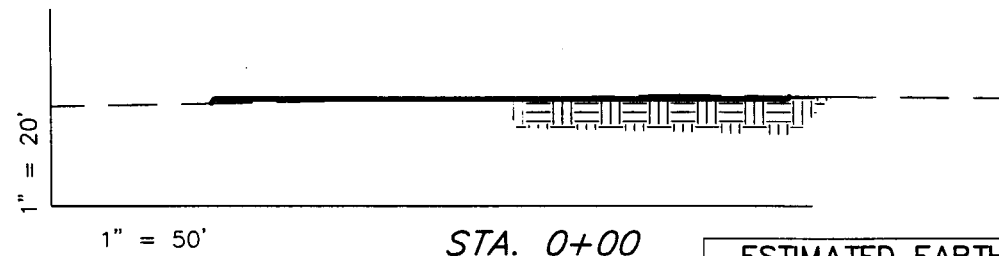
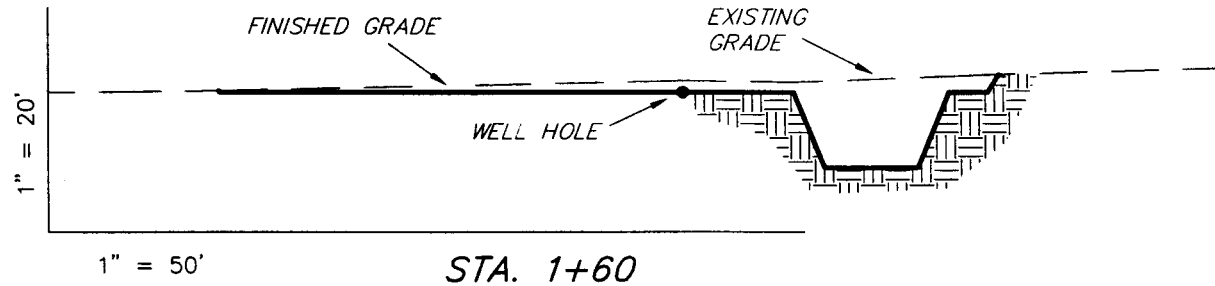
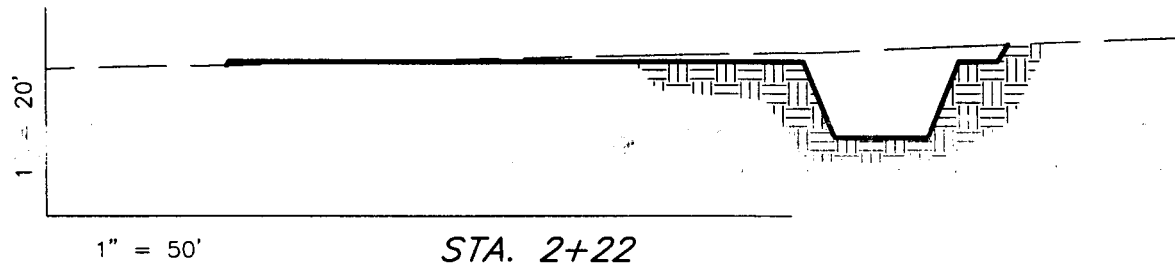
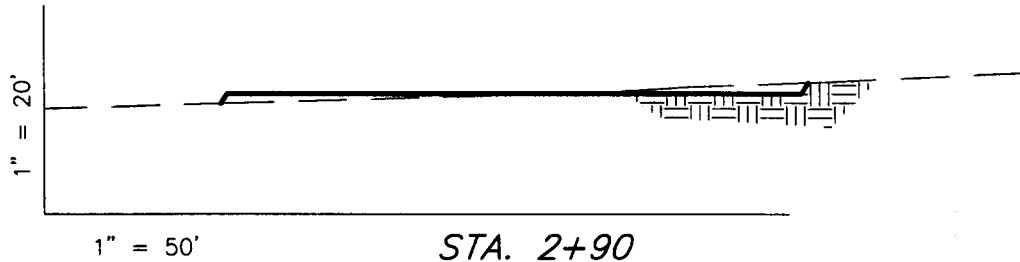
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

FEDERAL 7-7-9-18



### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	390	390	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	1,030	390	890	640

NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 10-9-03

**Tri State**  
Land Surveying, Inc.

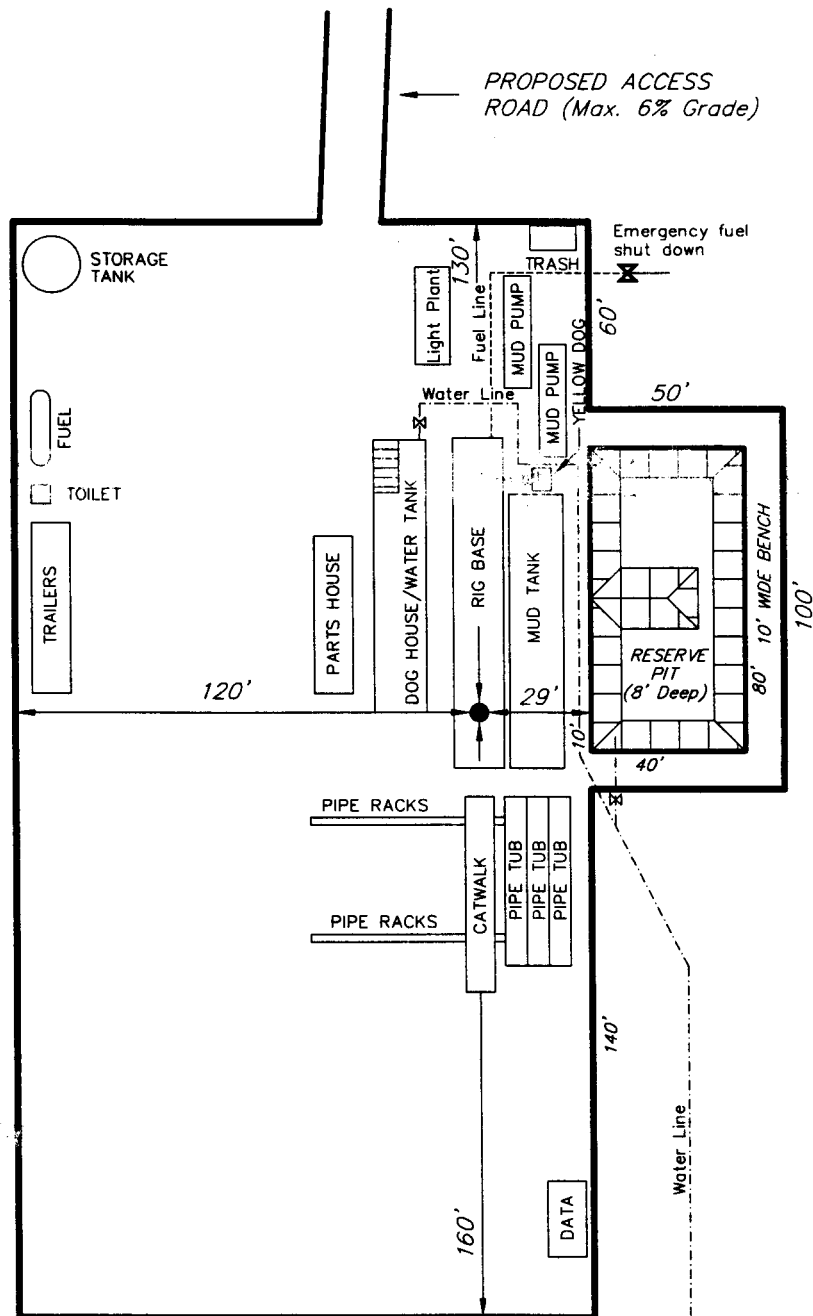
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### FEDERAL 7-7-9-18



SURVEYED BY: K.G.S.

SCALE: 1" = 50'

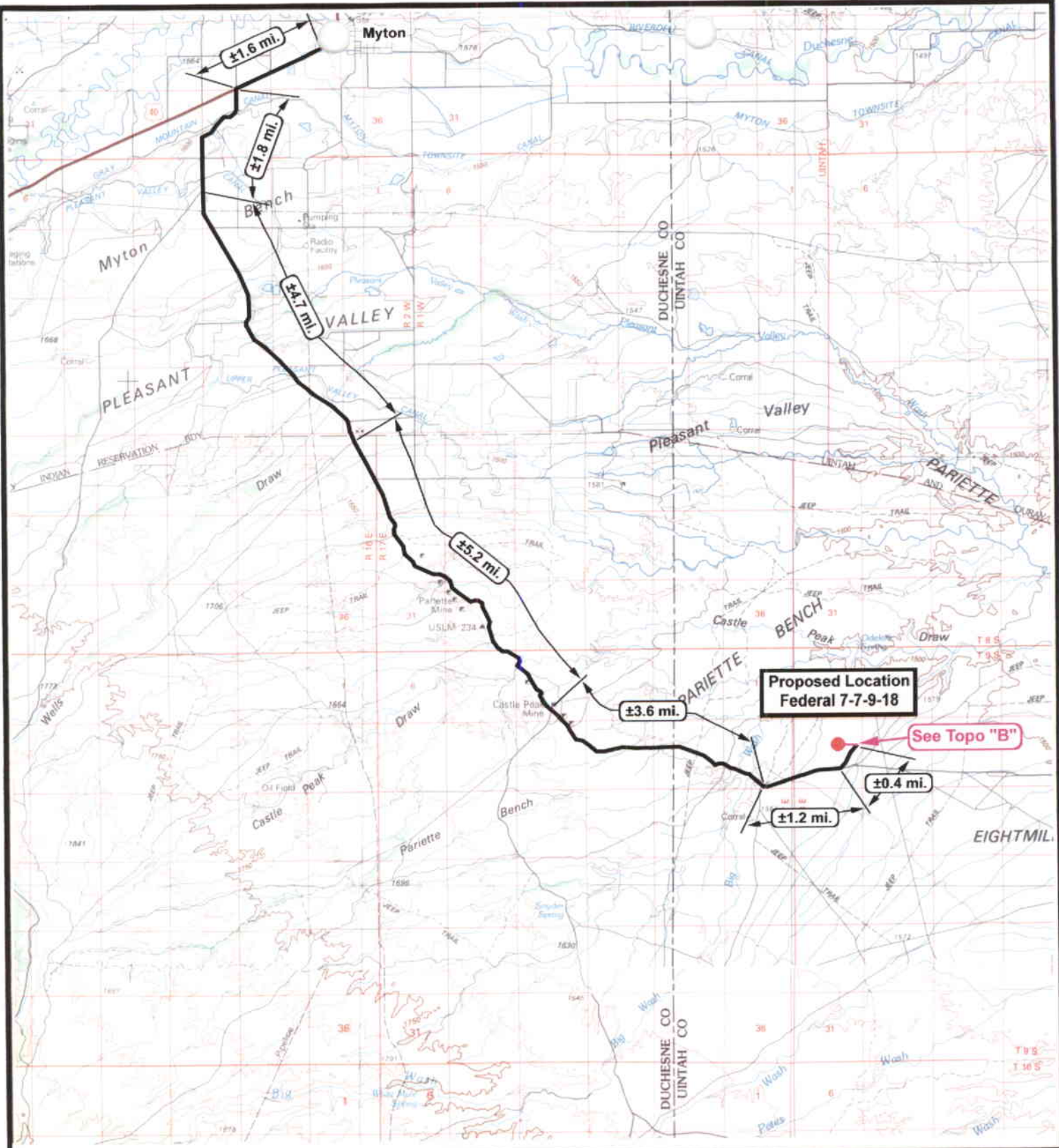
DRAWN BY: J.R.S.

DATE: 10-9-03

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**Federal 7-7-9-18  
SEC. 7, T9S, R18E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 120,000  
DRAWN BY: R.A.B.  
DATE: 10-10-2003

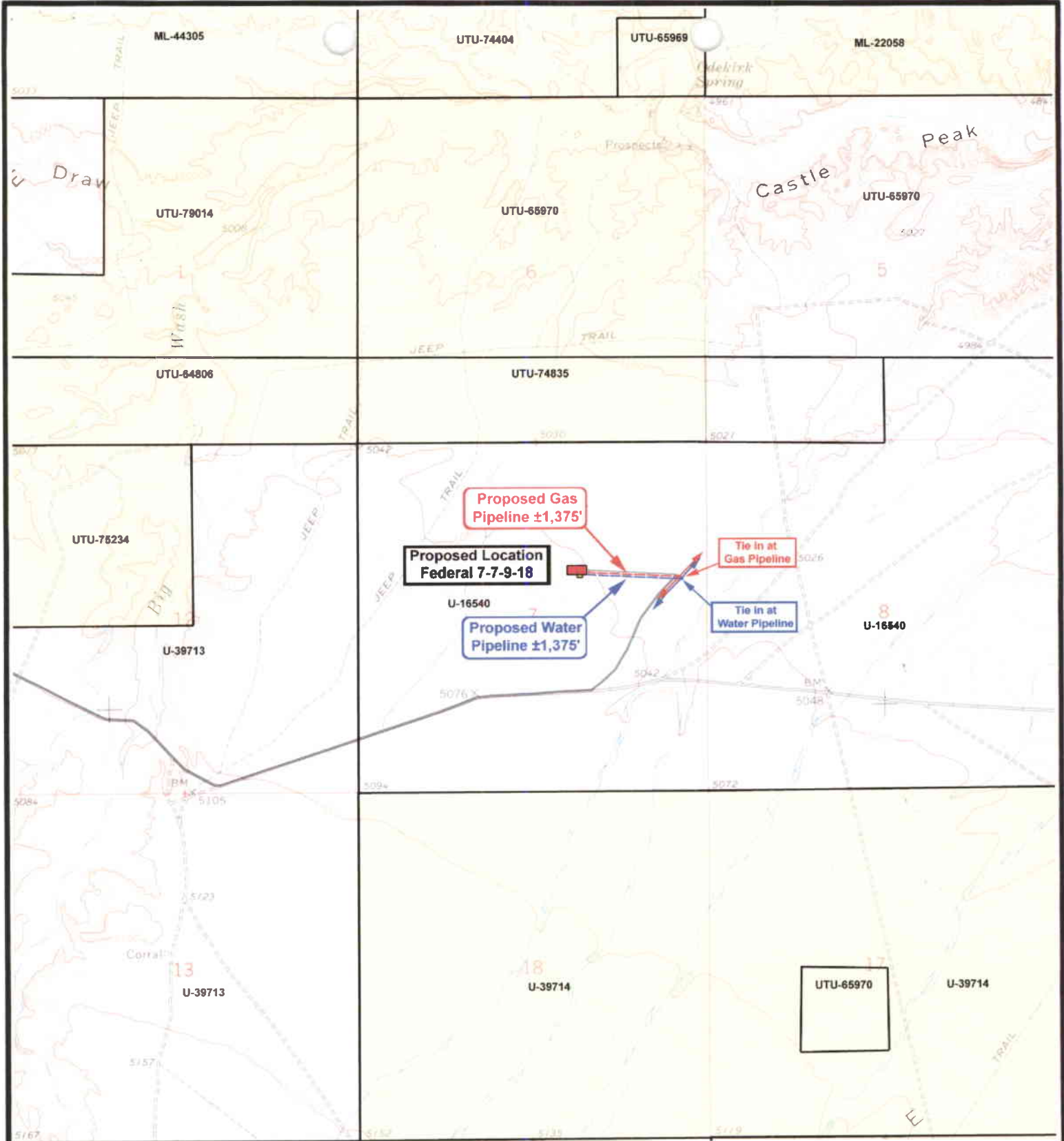
**Legend**  
Existing Road  
Proposed Access

TOPOGRAPHIC MAP

**"A"**







RESOURCES INC.

**Federal 7-7-9-18**  
**SEC. 7, T9S, R18E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: R.A.B.

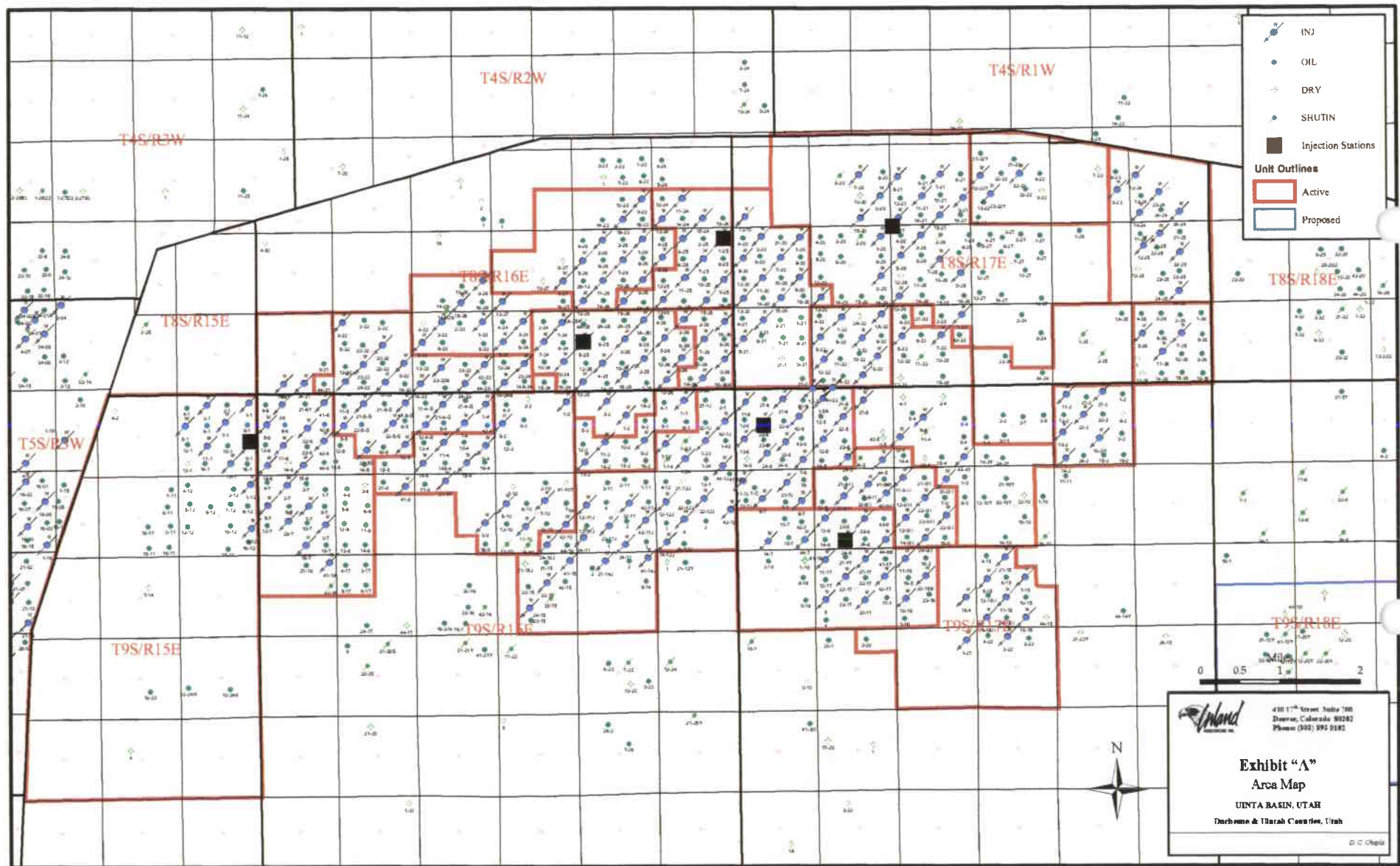
DATE: 10-10-2003

### Legend

- Roads
- Existing Gas Line
- Proposed Gas Line
- Existing Water Line
- Proposed Water Line

TOPOGRAPHIC MAP

**"C"**





UTU-74404

UTU-79014

UTU-65970

UTU-64806

UTU-74835

UTU-75234

Proposed Location  
Federal 7-7-9-18

U-39713

U-39714



Federal 7-7-9-18  
SEC. 7, T9S, R18E, S.L.B.&M.



*Tri-State  
Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: R.A.B.  
DATE: 10-10-2003

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

## 2-M SYSTEM

Blowout Prevention Equipment Systems

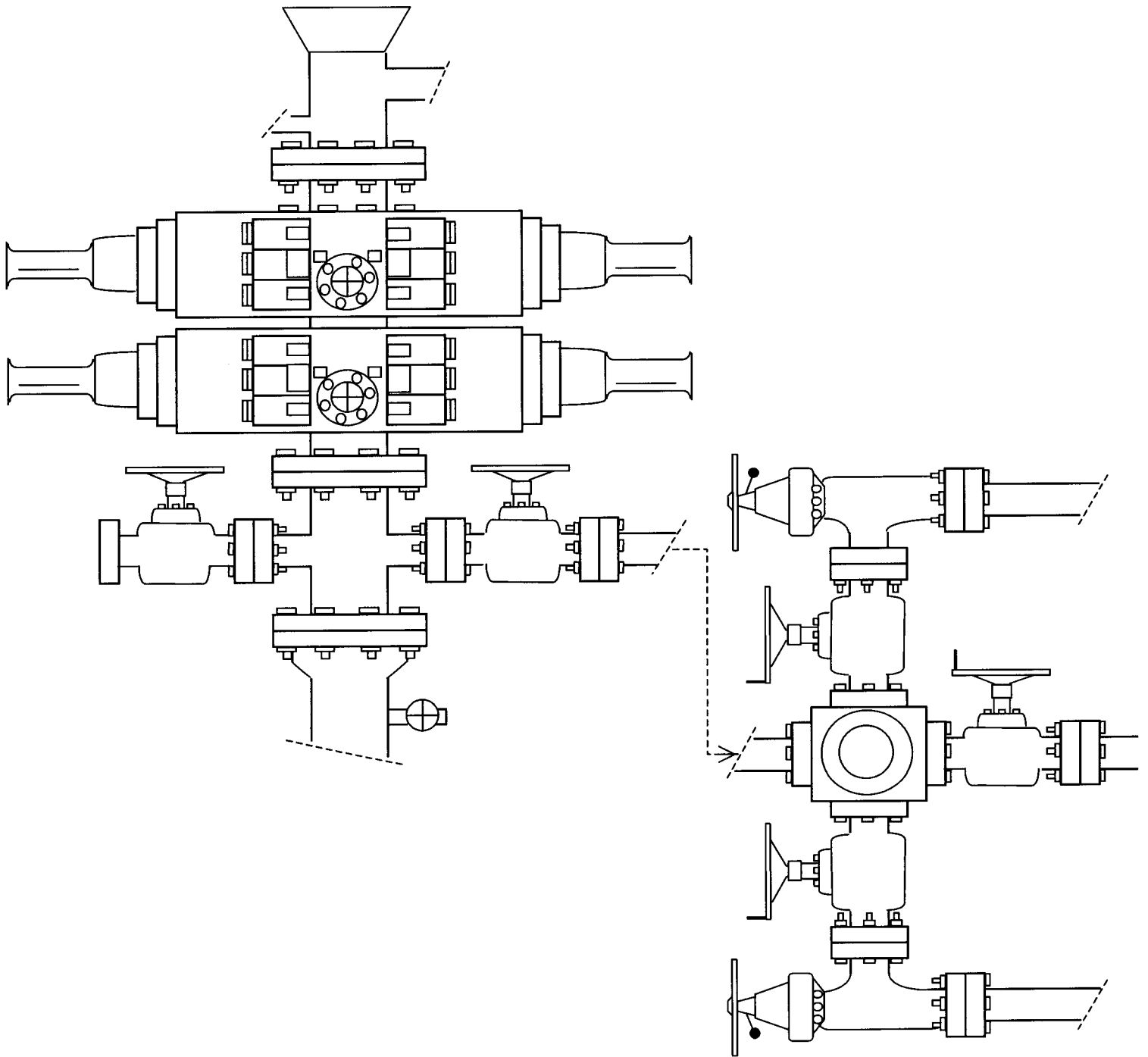


EXHIBIT C



CULTURAL RESOURCE INVENTORY OF  
INLAND PRODUCTION'S BLOCK PARCEL IN  
TOWNSHIP 9 SOUTH, RANGE 18 EAST, SECTION 7  
IN UTAH COUNTY, UTAH

by

Katie Simon  
and  
Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Inland Production  
Route 3 Box 3630  
Myton, Utah 84052

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 03-213

January 20, 2004

United States Department of Interior (FLPMA)  
Permit No. 03-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0006,b

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
UINTAH COUNTY, UTAH**

**ADDENDUM OF SECTION 7, T 9 S, R 18 E  
TO REPORT OF:**

**Sections 3, 4, & 10, T 9 S, R 18 E; Section 7,  
T 9 S, R 19 E (dated November 15, 2003)**

**REPORT OF SURVEY**

Prepared for:

**Inland resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
November 21, 2003

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/27/2004

API NO. ASSIGNED: 43-047-35450

WELL NAME: FEDERAL 7-7-9-18

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

## PROPOSED LOCATION:

SWNE 07 090S 180E

SURFACE: 1981 FNL 1981 FEL

BOTTOM: 1981 FNL 1981 FEL

UINTAH

8 MILE FLAT NORTH ( 590 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-16540

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.04728

LONGITUDE: 109.93335

## RECEIVED AND/OR REVIEWED:

☒ Plat☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )☒ Potash (Y/N)☒ Oil Shale 190-5 (B) or 190-3 or 190-13☒ Water Permit  
(No. MUNICIPAL )☒ RDCC Review (Y/N)  
(Date: )☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

R649-2-3.

Unit EIGHT MILE FLAT

☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells

R649-3-3. Exception

Drilling Unit

Board Cause No:

Eff Date:

Siting:

R649-3-11. Directional Drill

COMMENTS:

*Sep, Separate file*

STIPULATIONS:

*1- Federal approval  
2- Spacing Strip*



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

**IN REPLY REFER TO:**

3160

(UT-922)

January 28, 2004

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2004 Plan of Development Eight Mile Flat  
Unit, Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2004 within the Eight Mile Flat Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-35448	Federal 3-7-9-18 Sec 7 T09S R18E	0703 FNL 2104 FWL
43-047-35449	Federal 5-7-9-18 Sec 7 T09S R18E	2125 FNL 0745 FWL
43-047-35450	Federal 7-7-9-18 Sec 7 T09S R18E	1981 FNL 1981 FEL
43-047-35451	Federal 11-7-9-18 Sec 7 T09S R18E	1980 FSL 1977 FWL
43-047-35452	Federal 13-7-9-18 Sec 7 T09S R18E	0660 FSL 0660 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Eight Mile Flat Unit  
Division of Oil Gas and Mining  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:1-28-04



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

January 28, 2004

Inland Production Company  
Rt. 3, Box 3630  
Myton, UT 84052

Re: Federal 7-7-9-18 Well, 1981' FNL, 1981' FEL, SW NE, Sec. 7, T. 9 South,  
R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35450.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

John R. Baza  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Inland Production Company  
**Well Name & Number** Federal 7-7-9-18  
**API Number:** 43-047-35450  
**Lease:** U-16540

**Location:** SW NE                      **Sec.** 7                      **T.** 9 South                      **R.** 18 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

**5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.**



## Office of the Secretary of State

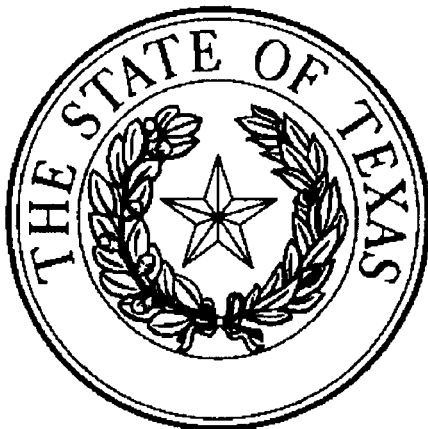
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State



ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

#### 1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

006

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU-16540

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL 7-7-9-18

9. API Well No.

43-047-35450

10. Field and Pool, or Exploratory Area

EIGHT MILE FLAT NORTH

11. County or Parish, State

UINTAH COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well

☒

Oil  
Well

☐

Gas  
Well

☐

Other

2. Name of Operator

INEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1981 FNL 1981 FEL

SW/NE Section 7, T9S R18E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other

Permit Extension

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 1/28/04 (expiration 1/28/05).

Approved by the  
Utah Division of  
Oil, Gas and Mining  
Date: 01-18-05  
By: [Signature]

COPIES SENT TO OPERATOR  
Date: 1-20-05  
By: CHD

RECEIVED

JAN 14 2005

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

1/12/2005

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-35450  
**Well Name:** Federal 7-7-9-18  
**Location:** SW/NE Section 7, T9S R18E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 1/28/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Mandi Gugin  
Signature

1/12/2005  
Date

**Title:** Regulatory Specialist

**Representing:** Newfield Production Company

**RECEIVED  
JAN 14 2005**

REGULATORY & MINING

007

RECEIVED  
JAN 27 2005  
BLM VERNAL, UTAH

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No. ~~U-16540~~  
U-16540  
6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.  
Federal 7-7-9-18

9. API Well No.  
43-047-35450

10. Field and Pool, or Exploratory  
Eight Mile Flat

11. Sec., T., R., M., or Blk. and Survey or Area  
SW/NE Sec. 7, T9S R18E

12. County or Parish  
Uintah

13. State  
UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
Newfield Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface SW/NE 1981' FNL 1981' FEL  
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*  
Approximately 18.5 miles southeast of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drg. unit line, if any) Approx. 1981' f/lease, NA f/unit

16. No. of Acres in lease  
1356.44

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1319'

19. Proposed Depth  
6500'

20. BLM/BIA Bond No. on file  
#4486944 UTD056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5050' GL

22. Approximate date work will start\*  
2nd Quarter 2004

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature  
Mandie Crozier

Name (Printed/Typed)  
Mandie Crozier

Date  
1/26/04

Title  
Regulatory Specialist

Approved by (Signature)  
Theresa B. Leavins  
Title  
Assistant Field Manager  
Mineral Resources

Name (Printed/Typed)  
Office

DIV. OF OIL, GAS & MINING

Date  
01/27/2005

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

UTD001

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Newfield Production Company  
Well Name & Number: Federal 7-7-9-18  
API Number: 43-047-35450  
Lease Number: U-16540  
Location: SWNE Sec. 7 T. 9S R. 18E  
Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

**Please submit to this office, in LAS format, an electronic copy of all logs run on this well. This submission will replace the requirement for submittal of paper logs to the BLM.**

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

No construction or drilling shall be allowed during the burrowing owl nesting season (April 1 to Aug. 15), without first consulting the BLM biologist. If no nesting owls are found, drilling will be allowed.

Mountain Plover surveys will have to be conducted in accordance with the U.S. Fish & Wildlife Service Mountain Plover Survey Guidelines.

To reduce noise levels in the area, a hospital muffler or multi-cylinder engine shall be installed on the pumping unit.



## OPERATOR CHANGE WORKSHEET

008

Change of Operator (Well Sold)

Designation of Agent/Operator

## ROUTING

1. GLH

2. CDW

3. FILE

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2004

**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.

Unit:

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 13-1-9-17	01	090S	170E	4304735181	14101	Federal	OW	P	K
FEDERAL 15-1-9-17	01	090S	170E	4304735182	14094	Federal	OW	P	K
FEDERAL 3-11-9-17	11	090S	170E	4304735295	14258	Federal	OW	P	K
FEDERAL 5-5-9-18	05	090S	180E	4304735290		Federal	OW	NEW	K
FEDERAL 7-5-9-18	05	090S	180E	4304735291		Federal	OW	APD	K
FEDERAL 9-5-9-18	05	090S	180E	4304735292	14554	Federal	OW	DRL	K
FEDERAL 11-5-9-18	05	090S	180E	4304735293		Federal	OW	APD	K
FEDERAL 13-5-9-18	05	090S	180E	4304735294		Federal	OW	APD	K
FEDERAL 9-6-9-18	06	090S	180E	4304735183	14153	Federal	OW	P	K
FEDERAL 11-6-9-18	06	090S	180E	4304735184	14127	Federal	OW	P	K
FEDERAL 15-6-9-18	06	090S	180E	4304735185	14120	Federal	OW	P	K
FEDERAL 1-6-9-18	06	090S	180E	4304735296		Federal	OW	NEW	K
FEDERAL 1-7-9-18	07	090S	180E	4304735447		Federal	OW	APD	K
FEDERAL 3-7-9-18	07	090S	180E	4304735448		Federal	OW	APD	K
FEDERAL 5-7-9-18	07	090S	180E	4304735449		Federal	OW	APD	K
FEDERAL 7-7-9-18	07	090S	180E	4304735450		Federal	OW	APD	K
FEDERAL 11-7-9-18	07	090S	180E	4304735451		Federal	OW	APD	K
FEDERAL 13-7-9-18	07	090S	180E	4304735452		Federal	OW	APD	K
FEDERAL 10-7-9-18	07	090S	180E	4304735453		Federal	OW	APD	K
FEDERAL 14-7-9-18	07	090S	180E	4304735454		Federal	OW	APD	K

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 7-7-9-18

Api No: 43-047-35450 Lease Type: FEDERAL

Section 07 Township 09S Range 18E County UINTAH

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 09/08/05

Time 9:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by RAY HERRERA

Telephone # 1-435-823-1990

Date 09/08/2005 Signed CHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1981 FNL 1981 FEL

SW/NE Section 7 T9S R18E

5. Lease Serial No.

UTU16540

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

SUNDANCE UNIT

8. Well Name and No.

FEDERAL 7-7-9-18

9. API Well No.

4304735450

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Utah, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 9/8/05 MIRU NDSI NS # 1. Spud well @ 9:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 312 KB. On 9/10/05 cement with 160 sks of class "G" w/ 3% CaCl2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Justin Crum

Title

Drilling Foreman

Signature

Date

09/10/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**SEP 14 2005**

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 312.88

LAST CASING 8 5/8" SET AT 312'  
 DATUM 12. KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 7-7-9-18  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS # 1

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		41.05' sh jt'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	301.98
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			
TOTAL LENGTH OF STRING		302.88	7	LESS CUT OFF PIECE			
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			
TOTAL		301.03	7				
TOTAL CSG. DEL. (W/O THRDS)		301.03	7	} COMPARE			
TIMING		1ST STAGE					
BEGIN RUN CSG.		SPUD		GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		9/8/2005		Bbls CMT CIRC TO SURFACE <u>4</u>			
BEGIN CIRC		9/10/2005		RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE			
BEGIN PUMP CMT		9/10/2005		DID BACK PRES. VALVE HOLD ? <u>N/A</u>			
BEGIN DSPL. CMT		9/10/2005		BUMPED PLUG TO <u>540</u> PSI			
PLUG DOWN		9/10/2005					

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING	
Centralizers - Middle first, top second & third for 3			

COMPANY REPRESENTATIVE Justin Crum

DATE 9/10/2005

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3839**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N2895**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	14844	43-047-35450	FEDERAL 7-7-9-18	SWNE	7	9S	18E	UINTAH	09/08/05	9/15/05
WELL 1 COMMENTS: <i>GRPV Sundance</i>											
B	99999	14844	43-047-35587	FEDERAL 15-18-9-18	SWSE	18	9S	18E	UINTAH	09/08/05	9/15/05
WELL 2 COMMENTS: <i>GRPV Sundance</i>											
B	99999	14844	43-047-35447	FEDERAL 1-7-9-18	NENE	7	9S	18E	UINTAH	09/09/05	9/15/05
WELL 3 COMMENTS: <i>GRPV Sundance</i>											
B	99999	14844	43-047-35561	FEDERAL 3-17-9-18	NENW	17	9S	18E	UINTAH	09/12/05	9/15/05
WELL 4 COMMENTS: <i>GRPV Sundance</i>											
B	99999	14844	43-047-35560	FEDERAL 5-17-9-18	SWNW	17	9S	18E	UINTAH	09/14/05	9/15/05
WELL 5 COMMENTS: <i>GRPV Sundance</i>											
B	99999	12419	43-013-32642	ASHLEY FEDERAL 16-15-9-15	SESE	15	9S	15E	DUCHESNE	09/12/05	9/15/05
WELL 6 COMMENTS: <i>GRPV Ashley</i>											

ACTION CODES: See instructions on back of form

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or tank well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (see instructions on back of form)

NOTE: Use COMMENT section to explain why each Action Code was selected

RECEIVED  
SEP 15 2005

DIV. OF OIL, GAS & MINING

*Kim Kelle*  
Signature  
Production Clerk  
September 15, 2005  
Title Date

09/15/2005 14:32 4356463031

INLAND

PAGE 03

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1981 FNL 1981 FEL  
SW/NE Section 7 T9S R18E

5. Lease Serial No.

UTU16540

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

SUNDANCE UNIT

8. Well Name and No.

FEDERAL 7-7-9-18

9. API Well No.

4304735450

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 9-26-05 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 260'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5,889'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 134 jt's of 5.5 J-55, 15.5# csgn. Set @ 5878.08' / KB. Cement with 310 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 425 sks cement mixed @ 14.4 ppg & 1.24 yld. With 20 bbls cement returned to pit. Nipple down Bop's. Drop slips @ 110,000 #'s tension. Release rig 12:30 pm on 10-1-05.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Ray Herrera

Title

Drilling Foreman

Signature

Ray Herrera

Date

10/02/2005

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

OCT 06 2005

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5878.08

Flt cllr @ 5638'

LAST CASING 8 5/8" SET AT 312'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 7-7-9-18

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # NDSI rig #2

TD DRILLER 5889' LOGGER ' 5885'

HOLE SIZE 7 7/8"

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 3979' (622')					
134	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5626.09
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.3
		<b>GUIDE</b> shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5880.08
TOTAL LENGTH OF STRING	5880.08	135	LESS CUT OFF PIECE	14
LESS NON CSG. ITEMS	15.25		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	177.97	4	CASING SET DEPTH	<b>5878.08</b>
<b>TOTAL</b>	<b>6042.80</b>	139		

TOTAL CSG. DEL. (W/O THRDS)	6042.8	139	} COMPARE	
TIMING	1ST STAGE	2nd STAGE		
BEGIN RUN CSG.	10/1/2005	5:00 AM	GOOD CIRC THRU JOB	yes
CSG. IN HOLE	10/1/2005	8:30 AM	Bbls CMT CIRC TO SURFACE	24 bbls
BEGIN CIRC	10/1/2005	8:50 AM	RECIPROCATED PIPE FOR	THRUSTROKE
BEGIN PUMP CMT	10/1/2005	10:43 AM	DID BACK PRES. VALVE HOLD ?	yes
BEGIN DSPL. CMT	10/1/2005	11:40 AM	BUMPED PLUG TO	2250 PSI
PLUG DOWN	10/1/2005	11:57 AM		

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	310	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	425	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE Ray Herrera

DATE October 1, 2005

RECEIVED

OCT 06 2005

DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPPLICATE - One in duplicate of each

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1981 FNL 1981 FEL  
SW/NE Section 7 T9S R18E

5. Lease Serial No.

UTU16540

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.  
SUNDANCE UNIT

8. Well Name and No.  
FEDERAL 7-7-9-18

9. API Well No.  
4304735450

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations Suspended

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Lana Nebeker

Signature

Title

Production Clerk

Date

10/19/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED  
OCT 25 2005  
GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

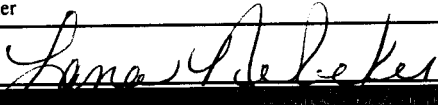
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU16540
2. Name of Operator Newfield Production Company		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone No. (include area code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or No. SUNDANCE UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1981 FNL 1981 FEL SW/NE Section 7 T9S R18E		8. Well Name and No. FEDERAL 7-7-9-18
		9. API Well No. 4304735450
		10. Field and Pool, or Exploratory Area Monument Butte
		11. County or Parish, State Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations Suspended

I hereby certify that the foregoing is true and correct	Title
Name (Printed/ Typed) Lana Nebeker	Production Clerk
Signature 	Date 12/02/2005

Approved by _____	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

DEC 05 2005

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31,2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include are code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1981 FNL 1981 FEL

SW/NE Section 7 T9S R18E

5. Lease Serial No.

UTU16540

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

SUNDANCE UNIT

8. Well Name and No.

FEDERAL 7-7-9-18

9. API Well No.

4304735450

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Uintah,UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations Suspended

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Lana Nebeker

Signature

Title

Production Clerk

Date

01/03/2006

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

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(Instructions on reverse)

RECEIVED

JAN 04 2006

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include are code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1981 FNL 1981 FEL

SW/NE Section 7 T9S R18E

5. Lease Serial No.

UTU16540

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

SUNDANCE UNIT

8. Well Name and No.

FEDERAL 7-7-9-18

9. API Well No.

4304735450

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations Suspended

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Lana Nebeker

Title

Production Clerk

Signature

Date

02/06/2006

Approved by

Title

Date

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(Instructions on reverse)

RECEIVED

FEB 07 2006

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1981 FNL 1981 FEL  
SW/NE Section 7 T9S R18E

5. Lease Serial No.

UTU16540

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

SUNDANCE UNIT

8. Well Name and No.

FEDERAL 7-7-9-18

9. API Well No.

4304735450

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Uintah, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations Suspended

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Lana Nebeker

Title

Production Clerk

Signature

Date

03/06/2006

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

MAR 07 2006

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU16540
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone No. (include area code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or No. SUNDANCE UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1981 FNL 1981 FEL SW/NE Section 7 T9S R18E		8. Well Name and No. FEDERAL 7-7-9-18
		9. API Well No. 4304735450
		10. Field and Pool, or Exploratory Area Monument Butte
		11. County or Parish, State Uintah, UT

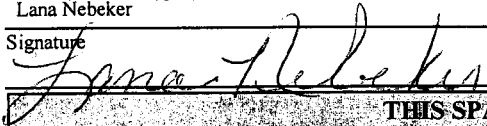
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production Company is requesting permission to temporarily suspend operations on the above mentioned well, while Newfield request's permission from the EPA to complete this well as an injector.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only**

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Lana Nebeker	Title Production Clerk
Signature 	Date 03/31/2006
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>	

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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(Instructions on reverse)

**RECEIVED**

**APR 10 2006**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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abandoned well. Use Form 3160-3 (APD) for such proposals.

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1981 FNL 1981 FEL  
SW/NE Section 7 T9S R18E

5. Lease Serial No.

UTU16540

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

SUNDANCE UNIT

8. Well Name and No.

FEDERAL 7-7-9-18

9. API Well No.

4304735450

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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Operations Suspended

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Lana Nebeker

Signature

*Lana Nebeker*

Title

Production Clerk

Date

05/05/2006

Approved by

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Title

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(Instructions on reverse)

RECEIVED

MAY 08 2006

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1981 FNL 1981 FEL  
SWNE Section 7 T9S R18E

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
SUNDANCE UNIT

8. Well Name and No.  
FEDERAL 7-7-9-18

9. API Well No.  
4304735450

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
UINTAH, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations Suspended

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Lana Nebeker

Signature

Title

Production Clerk

Date

09/12/2006

Approved by

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Title

Date

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(Instructions on reverse)

RECEIVED  
SEP 13 2006  
DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1981 FNL 1981 FEL  
SWNE Section 7 T9S R18E

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
SUNDANCE UNIT

8. Well Name and No.  
FEDERAL 7-7-9-18

9. API Well No.  
4304735450

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations Suspended

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Lana Nebeker  
Signature

Title

Production Clerk

Date

10/11/2006

Approved by

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certify that the applicant holds legal or equitable title to those rights in the subject lease  
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Date

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States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

OCT 12 2006

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-16540

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
SUNDANCE UNIT

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

8. WELL NAME and NUMBER:  
FEDERAL 7-7-9-18

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER  
435.646.3721

9. API NUMBER:  
4304735450

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1981 FNL 1981 FEL

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will 11/13/2006	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Monthly Status Report	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operation Suspended

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE



DATE 11/13/2006

(This space for State use only)

RECEIVED

NOV 14 2006

EX-101-OTS-211116

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

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NEWFIELD PRODUCTION COMPANY

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Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1981 FNL 1981 FEL  
SWNE Section 7 T9S R18E

5. Lease Serial No.

USA UTU-16540

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
SUNDANCE UNIT

8. Well Name and No.  
FEDERAL 7-7-9-18

9. API Well No.  
4304735450

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
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Operations Suspended

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Lana Nebeker

Signature

Title

Production Clerk

Date

12/15/2006

Approved by

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(Instructions on reverse)

RECEIVED

DEC 19 2006

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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2. Name of Operator  
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3b. Phone (include area code)  
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USA UTU-16540

6. If Indian, Allottee or Tribe Name.

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SUNDANCE UNIT

8. Well Name and No.  
FEDERAL 7-7-9-18

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4304735450

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
UINTAH, UT

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Operations Suspended

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Lana Nebeker

Signature

Title

Production Clerk

Date

01/18/2007

Approved by

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(Instructions on reverse)

RECEIVED

JAN 22 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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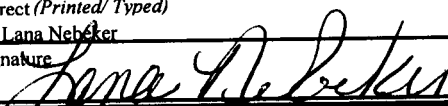
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-16540
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include area code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or SUNDANCE UNIT
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		9. API Well No. 4304735450
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<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations Suspended

I hereby certify that the foregoing is true and correct (Printed/ Typed) Lana Nebeker	Title Production Clerk
Signature 	Date 02/05/2007

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

FEB 08 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1981 FNL 1981 FEL  
SWNE Section 7 T9S R18E

5. Lease Serial No.

USA UTU-16540

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
SUNDANCE UNIT

8. Well Name and No.  
FEDERAL 7-7-9-18

9. API Well No.  
4304735450

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations Suspended

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Lana Nebeker

Signature

Title

Production Clerk

Date

03/07/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

MAR 12 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1981 FNL 1981 FEL

SWNE Section 7 T9S R18E

5. Lease Serial No.

USA UTU-16540

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

SUNDANCE UNIT

8. Well Name and No.

FEDERAL 7-7-9-18

9. API Well No.

4304735450

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Monthly Status Report
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations Suspended

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Lana Nebeker

Signature

Title

Production Clerk

Date

04/05/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

APR 10 2007

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-16540
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1981 FNL 1981 FEL		8. WELL NAME and NUMBER: FEDERAL 7-7-9-18
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E		9. API NUMBER: 4304735450
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: UINTAH
		STATE: UT

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will <u>05/08/2007</u>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Monthly Status Report
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operations Suspended

NAME (PLEASE PRINT) <u>Jentri Park</u>	TITLE <u>Production Clerk</u>
SIGNATURE 	DATE <u>05/08/2007</u>

(This space for State use only)

**RECEIVED**

**MAY 09 2007**

DIV. OF OIL, GAS & MINING



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-16540
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721		7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1981 FNL 1981 FEL COUNTY: UINTAH OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E STATE: UT		8. WELL NAME and NUMBER: FEDERAL 7-7-9-18 9. API NUMBER: 4304735450 10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

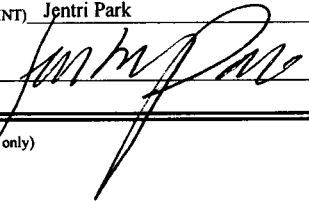
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Monthly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  06/04/2007			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operations Suspended

**RECEIVED**  
**JUN 05 2007**  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Jentri Park</u>	TITLE <u>Production Clerk</u>
SIGNATURE 	DATE <u>06/04/2007</u>

(This space for State use only)

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

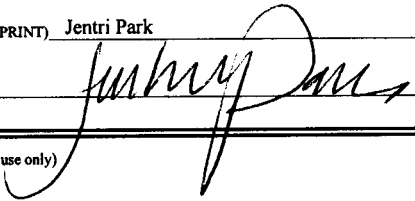
1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-16540
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1981 FNL 1981 FEL		8. WELL NAME and NUMBER: FEDERAL 7-7-9-18
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E		9. API NUMBER: 4304735450
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
STATE: UT		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Monthly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  07/03/2007			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operations Suspended

NAME (PLEASE PRINT) <u>Jentri Park</u>	TITLE <u>Production Clerk</u>
SIGNATURE 	DATE <u>07/03/2007</u>

(This space for State use only)

**RECEIVED**  
**JUL 05 2007**  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:

USA UTU-16540

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
7. UNIT or CA AGREEMENT NAME:  
SUNDANCE UNIT

8. WELL NAME and NUMBER:  
FEDERAL 7-7-9-18

9. API NUMBER:  
4304735450

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1981 FNL 1981 FEL

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Monthly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  08/03/2007			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operations Suspended

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 08/03/2007

(This space for State use only)

RECEIVED

AUG 07 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-16540
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: FEDERAL 7-7-9-18
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1981 FNL 1981 FEL		9. API NUMBER: 4304735450
OTR/OTR SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: UINTAH
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 09/05/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Monthly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operations Suspended

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk  
SIGNATURE DATE 09/05/2007

(This space for State use only)

RECEIVED  
SEP 10 2007  
DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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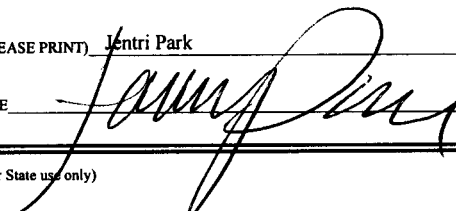
1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-16540
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1981 FNL 1981 FEL		8. WELL NAME and NUMBER: FEDERAL 7-7-9-18
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E		9. API NUMBER: 4304735450
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
STATE: UT		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Monthly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  10/05/2007			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operations Suspended

NAME (PLEASE PRINT) <u>Jenri Park</u>	TITLE <u>Production Clerk</u>
SIGNATURE 	DATE <u>10/05/2007</u>

(This space for State use only)

RECEIVED

OCT 12 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-16540

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME:  
SUNDANCE UNIT

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:  
FEDERAL 7-7-9-18

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4304735450

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1981 FNL 1981 FEL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will

☒ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of Work Completion:

11/05/2007

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/STOP)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLAIR

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: - Monthly Status Report

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Operations Suspended

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 11/05/2007

(This space for State use only)

RECEIVED

NOV 09 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
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DIVISION OF OIL, GAS AND MINING

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4304735450

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Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

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FOOTAGES AT SURFACE: 1981 FNL 1981 FEL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E

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	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 01/17/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Monthly Status Report	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operation Suspended

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE

DATE 01/17/2008

(This space for State use only)

RECEIVED  
JAN 18 2008  
DIV. OF OIL, GAS & MINING

## NOTICE OF LATE REPORTING

### DRILLING & COMPLETION INFORMATION

Utah Oil and Gas Conservation General Rule R649-3-6 states that,

- Operators shall submit monthly status reports for each drilling well (including wells where drilling operations have been suspended).

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
- Within 30 days after the completion or plugging of a well, the following shall be filed:
  - Form 8, Well Completion or Recompletion Report and Log
  - A copy of electric and radioactivity logs, if run
  - A copy of drillstem test reports,
  - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
  - A copy of core analyses, and lithologic logs or sample descriptions if compiled
  - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

---

As of the mailing of this notice, the division has not received the required reports for

Operator: Newfield Production Company

Today's Date: 07/18/2008

Well:

API Number:

Drilling Commenced:

Ashley 16-10-9-15

4301332305

09/30/2003

Federal 7-7-9-18

4304735450

09/08/2005

Federal 2-9-9-18

4304736048

01/19/2006

Ashley Fed 13-25-9-15

4301332911

10/27/2006

☐ List Attached

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please contact Rachel Medina  
at (801) 538-5260.

cc: Well File  
Compliance File



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-16540

**SUNDRY NOTICES AND REPORTS ON WELLS**

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7. UNIT or CA AGREEMENT NAME:  
SUNDANCE UNIT

8. WELL NAME and NUMBER:  
FEDERAL 7-7-9-18

9. API NUMBER:  
4304735450

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1981 FNL 1981 FEL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E

STATE: UT

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	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input checked="" type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well is currently waiting for approval to complete as an injection well. A permit to complete the well as an injector was sent to the EPA on 8-26-06 and approval has not been received to date.

On 10-13-2005 a CBL was run under pressure showing TOC @ 150' and a B1 tubing flange (Dry Hole Tree) was installed on the well. The well is loaded full of water with no perforations.

Newfield plans to leave the well in a TA state until the approval to complete the well as an injector is received from the EPA. Planned perforation intervals are as follows:

B2 4890-4894  
A3 5117-5128  
CP2 5499-5504

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

NAME (PLEASE PRINT) Chris Clark

TITLE Production Engineer

SIGNATURE

DATE 01/18/2008

(This space for State use only)

**RECEIVED**  
**AUG 11 2008**  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
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A3 5117-5128  
CP2 5499-5504

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

NAME (PLEASE PRINT) Chris Clark TITLE Production Engineer  
SIGNATURE *per [Signature]* DATE 01/18/2008

(This space for State use only)

RECEIVED

AUG 14 2008

DIV. OF OIL, GAS & MINING



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
<http://www.epa.gov/region8>

RECEIVED

SEP 25 2008

SEP 29 2008

DIV. OF OIL, GAS & MINING

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Eric Sundberg  
Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

95 18E 7  
Re: Final Permit with AOR Corrective Action  
EPA UIC Permit UT21099-07413  
Federal 7-7-9-18  
Uintah County, Utah  
API No.: 43-047-35450

Dear Mr. Sundberg:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Federal 7-7-9-18 injection well. A Statement of Basis that discusses the conditions and requirements of this EPA UIC Permit, is also included.

The Public Comment period for this Permit ended on JUN 12 2008. No comments on the Draft Permit were received during the Public Notice period; therefore the Effective Date for this EPA UIC Permit is the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect as of the Effective Date of this Permit.

Please note that under the terms and conditions of this Final Permit you are authorized only to construct the proposed injection well. Prior to commencing injection, you first must fulfill all "Prior to Commencing Injection" requirements of the Final Permit, Part II Section C.1, and obtain written Authorization to Inject from the EPA. It is your responsibility to be familiar with and to comply with all provisions of your Final Permit. The EPA forms referenced in the permit are available at <http://www.epa.gov/safewater/uic/reportingforms.html>. Guidance documents for Cement Bond Logging, Radioactive Tracer testing, Step Rate testing, Mechanical Integrity demonstration, Procedure in the Event of a Mechanical Integrity Loss, and other UIC guidances, are available at [http://www.epa.gov/region8/water/uic/deep\\_injection.html](http://www.epa.gov/region8/water/uic/deep_injection.html). Upon request, hard copies of the EPA forms and guidances can be provided.

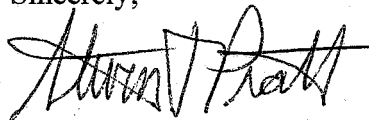


Printed on Recycled Paper

This EPA UIC Permit is issued for the operating life of the well unless terminated (Part III, Section B). The EPA may review this Permit at least every five (5) years to determine whether any action is warranted pursuant to 40 CFR § 144.36(a).

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Emmett Schmitz of my staff at (303) 312-6174, or toll-free at (800) 227-8917, ext. 312-6174.

Sincerely,

  
for Stephen S. Tuber

Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

enclosure: Final UIC Permit  
Statement of Basis

cc: Letter only:

Uintah & Ouray Business Committee, Ute Indian Tribe:  
Curtis Cesspooch, Chairman  
Irene Cuch, Vice-Chairwoman  
Frances Poowegup, Councilwoman  
Ronald Groves, Councilman  
Phillip Chimburas, Councilman  
Steven Cesspooch, Councilman

Daniel Picard, Superintendent  
Uintah & Ouray Indian Agency  
U.S. Bureau of Indian Affairs

cc: all enclosures:

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



Larry Love  
Director  
Energy & Minerals Dept.  
Ute Indian Tribe

Shaun Chapoose  
Director  
Land Use Dept.  
Ute Indian Tribe

Elaine Willie  
Gap Coordinatorr  
Ute Indian Tribe

Gilbert Hunt  
Assistant Director  
State of Utah - Natural Resources

Fluid Minerals Engineering Dept.  
U.S. Bureau of Land Management  
Vernal, Utah





**UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT**

PREPARED: September 2008

**Permit No. UT21099-07413**

Class II Enhanced Oil Recovery Injection Well

**Federal 7-7-9-18  
Uintah County, UT**

Issued To

**Newfield Production Company**

1001 Seventeenth Street, Suite 2000

Denver, CO 80202

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## Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit,

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

is authorized to construct and to operate the following Class II injection well or wells:

Federal 7-7-9-18  
1981' FNL and 1981' FEL, NWNE S7, T9S, R18E  
Uintah County, UT

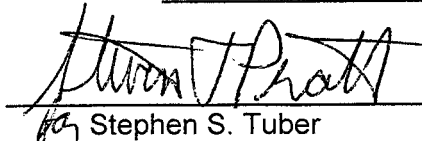
EPA regulates the injection of fluids into injection wells so that injection does not endanger underground sources of drinking water (USDWs). EPA UIC Permit conditions are based on authorities set forth at 40 CFR Parts 144 and 146, and address potential impacts to USDWs.

Under 40 CFR Part 144, Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General permit conditions for which the content is mandatory and not subject to site-specific differences are not discussed in this document. Issuance of this Permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize injury to persons or property or invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. (40 CFR §144.35) An EPA UIC Permit may be issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR §§144.39, 144.40 and 144.41, and may be reviewed at least once every five (5) years to determine if action is required under 40 CFR §144.36(a).

This Permit is issued for the life of the well(s) unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This EPA Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for a UIC Program is delegated to an Indian Tribe or State. Upon the effective date of delegation, reports, notifications, questions and other correspondence should be directed to the Indian Tribe or State Director.

Issue Date: SEP 25 2008

Effective Date SEP 25 2008

  
for Stephen S. Tuber  
Assistant Regional Administrator\*  
Office of Partnerships and Regulatory Assistance

\*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

## **PART II. SPECIFIC PERMIT CONDITIONS**

### **Section A. WELL CONSTRUCTION REQUIREMENTS**

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

#### **1. Casing and Cement.**

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

#### **2. Injection Tubing and Packer.**

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

#### **3. Sampling and Monitoring Devices.**

The Permittee shall install and maintain in good operating condition:

- (a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and
- (b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:
  - (i) on the injection tubing; and
  - (ii) on the tubing-casing annulus (TCA); and
- (c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure (MAIP) specified in APPENDIX C is reached at the wellhead; and
- (d) a non-resettable cumulative volume recorder attached to the injection line.

#### **4. Well Logging and Testing**

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

#### **5. Postponement of Construction or Conversion**

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of Authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or Authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate may be reissued.

#### **6. Workovers and Alterations**

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

### **Section B. MECHANICAL INTEGRITY**

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

- (a) There is no significant leak in the casing, tubing, or packer (Part I); and
- (b) There is no significant fluid movement into an underground source of drinking water through vertical channels adjacent to the injection well bore (Part II).

### **1. *Demonstration of Mechanical Integrity (MI).***

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

### **2. *Mechanical Integrity Test Methods and Criteria***

EPA-approved methods shall be used to demonstrate mechanical integrity. Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

### **3. *Notification Prior to Testing.***

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

### **4. *Loss of Mechanical Integrity.***

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit) and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

## **Section C. WELL OPERATION**

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

### **1. Requirements Prior to Commencing Injection.**

Well injection, including for new wells authorized by an Area Permit under 40 CFR 144.33 (c), may commence only after all well construction and pre-injection requirements herein have been met and approved. The Permittee may not commence injection until construction is complete, and

- (a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and
  - (i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or
  - (ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

### **2. Injection Interval.**

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

### **3. Injection Pressure Limitation**

- (a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injection or formation fluids into a USDW.
- (b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permittee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

#### **4. Injection Volume Limitation.**

Injection volume is limited to the total volume specified in APPENDIX C.

#### **5. Injection Fluid Limitation.**

Injected fluids are limited to those identified in 40 CFR 144.6(b)(2) as fluids used for enhanced recovery of oil or natural gas, including those which are brought to the surface in connection with conventional oil or natural gas production that may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved for injection. This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261. The Permittee shall provide a listing of the sources of injected fluids in accordance with the reporting requirements in Part II Section D Paragraph 4 and APPENDIX D of this Permit.

#### **6. Tubing-Casing Annulus (TCA)**

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

### **Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS**

#### **1. Monitoring Parameters, Frequency, Records and Reports.**

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

- (a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;
- (b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;
- (c) the analytical techniques or methods used for analysis.

#### **2. Monitoring Methods.**

- (a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

- (b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.
- (c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.
- (d) Pressures are to be measured in pounds per square inch (psi).
- (e) Fluid volumes are to be measured in standard oil field barrels (bbl).
- (f) Fluid rates are to be measured in barrels per day (bbl/day).

### **3. Records Retention.**

- (a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.
- (b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.

### **4. Annual Reports.**

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

## **Section E. PLUGGING AND ABANDONMENT**

### **1. Notification of Well Abandonment, Conversion or Closure.**

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

### **2. Well Plugging Requirements**

Prior to abandonment, the injection well shall be plugged with cement in a manner which isolates the injection zone and prevents the movement of fluids into or between underground sources of drinking water, and in accordance with 40 CFR 146.10 and other applicable Federal, State or local law or regulations. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director.

### **3. Approved Plugging and Abandonment Plan.**

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

### **4. Forty Five (45) Day Notice of Plugging and Abandonment.**

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abandonment plan.

### **5. Plugging and Abandonment Report.**

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

- (a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or
- (b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

### **6. Inactive Wells.**

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:



- (a) Provides written notice to the Director;
- (b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and
- (c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

## **PART III. CONDITIONS APPLICABLE TO ALL PERMITS**

### **Section A. EFFECT OF PERMIT**

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of any other Federal, State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

### **Section B. CHANGES TO PERMIT CONDITIONS**

#### ***1. Modification, Reissuance, or Termination.***

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

#### ***2. Conversions.***

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

#### ***3. Transfer of Permit.***

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

#### **4. Permittee Change of Address.**

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

#### **5. Construction Changes, Workovers, Logging and Testing Data**

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging, or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this Permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

### **Section C. SEVERABILITY**

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

### **Section D. CONFIDENTIALITY**

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

### **Section E. GENERAL PERMIT REQUIREMENTS**

#### **1. Duty to Comply.**

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

**2. Duty to Reapply.**

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

**3. Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

**4. Duty to Mitigate.**

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

**5. Proper Operation and Maintenance.**

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

**6. Permit Actions.**

This Permit may be modified, revoked and reissued or terminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

**7. Property Rights.**

This Permit does not convey any property rights of any sort, or any exclusive privilege.

**8. Duty to Provide Information.**

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

**9. Inspection and Entry.**

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- (a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,
- (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

#### **10. Signatory Requirements.**

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

#### **11. Reporting Requirements.**

- (a) **Planned changes.** The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.
- (b) **Anticipated noncompliance.** The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) **Monitoring Reports.** Monitoring results shall be reported at the intervals specified in this Permit.
- (d) **Compliance schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- (e) **Twenty-four hour reporting.** The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:
  - (i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or
  - (ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- (f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurrence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website <http://www.nrc.uscg.mil/index.htm>.
- (g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.
- (h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

## **Section F. FINANCIAL RESPONSIBILITY**

### ***1. Method of Providing Financial Responsibility.***

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

### ***2. Insolvency.***

In the event of:

- (a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or
- (b) suspension or revocation of the authority of the trustee institution to act as trustee; or

- (c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

## APPENDIX A

### WELL CONSTRUCTION REQUIREMENTS

See diagram.

The Federal No. 7-7-9-18 was drilled to a total depth of 5889 feet (KB) feet in the Basal Carbonate Member. Adequate 80% bond index cement is present across the Confining Zone.

Surface casing (8-5/8 inch) was set at a depth of 313 feet in a 12-1/4 inch hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5878 feet (KB) in a 7-7/8 inch hole with 310 sacks of Premium Lite II and 425 sacks of 50/50 poz mix. This well construction is considered adequate to protect USDWs.

The EPA calculates the top of cement as 1125 feet from the surface. The Cement Bond Log (CBL) identifies top of cement at 150 feet. CBL analysis does identify adequate 80% bond index cement bond within the Confining Zone.

The schematic diagram shows enhanced recovery injection perforations in the Garden Gulch and Douglas Creek Members of the Green River Formation. Additional perforations may be added at a later time between the depths of 3639 feet and the top of the Wasatch Formation (Estimated to be 5915 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be set no higher than 100 feet above the top perforation.



UT 21099-07413

Federal 7-7-9-18

Spud Date: 9/8/05

Put on Production: ---

GI: 5050' KB: 5062'

Proposed Injection  
Wellbore Diagram

Initial Production: BOPID,  
MCIFD, BWPID

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (302.88')

DEPTH LANDED: 312.88' KB

HOLE SIZE: 12 1/4"

CEMENT DATA: 160ssx Class "C" mixed cement, est 4 bbls cement to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 135 jts. (5880.08')

DEPTH LANDED: 5878.08' KB

HOLE SIZE: 7 7/8"

CEMENT DATA: 310 ssx Prem. Lite H mixed & 425 ssx 50/50 POZ mix.

CEMENT TOP AT: 150'

80% Bond 3253'-3931'

Cottle Rock 5386-5408

NEWFIELD

Newfield Production

Federal 7-7-9-18

1981 F&I & 1981 F&I

SW/NE Section 7-T9S-R18E

Utah County, Utah

API #43-047-35450, Lease #VFD-16540

Cement top at 150'

< 300' Base USDW: Public 92  
313'

1125 TOC/EPA  
1322' Green River

2818' Tron2  
2854'-2872' Mahogany Bench

3442'-3639' Confining Zone  
3639' Gardner Gulch

Confining Zone 3735-3788  
Confining Zone 3840-4196

Packer @ 4055'

4090'-4096'

4583' Douglas Creek

4772'-4776'

4890'-4894'

4907'-4912'

5116'-5129'

5146'-5150'

5498'-5504'

5611'-5615'

PETD @ 5785'

SHOB @ 5878'

TID @ 5880'

5795' Basal Carb.

Est. Watch 5915'

PROPOSED PERFORATIONS

4090'-4096'	4 JSPP	24 holes
4772'-4776'	4 JSPP	16 holes
4890'-4894'	4 JSPP	16 holes
4907'-4912'	4 JSPP	20 holes
5116'-5129'	4 JSPP	52 holes
5146'-5150'	4 JSPP	16 holes
5498'-5504'	4 JSPP	24 holes
5611'-5615'	4 JSPP	16 holes

## APPENDIX B

### LOGGING AND TESTING REQUIREMENTS

#### Logs.

Logs will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

#### NO LOGGING REQUIREMENTS

#### Tests.

Tests will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

<b>WELL NAME:</b> Federal 7-7-9-18	
<b>TYPE OF TEST</b>	<b>DATE DUE</b>
Pore Pressure	Prior to receiving authorization to inject.
Standard Annulus Pressure	Prior to receiving authorization to inject and at least once within a five (5) year period following the last successful test.

## APPENDIX C

### OPERATING REQUIREMENTS

#### MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

WELL NAME	MAXIMUM ALLOWED INJECTION PRESSURE (psi)
	ZONE 1 (Upper)
Federal 7-7-9-18	1,065

#### INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

WELL NAME: Federal 7-7-9-18			
FORMATION NAME	APPROVED INJECTION INTERVAL (KB, ft)		FRACTURE GRADIENT (psi/ft)
	TOP	BOTTOM	
Green River	3,639.00 - 5,915.00		0.700

#### ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

#### MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

## APPENDIX D

### MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

OBSERVE MONTHLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS	
OBSERVE AND RECORD	Injection pressure (psig)
	Annulus pressure(s) (psig)
	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbls)

ANNUALLY	
ANALYZE	Injected fluid total dissolved solids (mg/l)
	Injected fluid specific gravity
	Injected fluid specific conductivity
	Injected fluid pH

ANNUALLY	
REPORT	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and minimum annulus pressure(s) (psig)
	Each month's injected volume (bbl)
	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

Records of all monitoring activities must be retained and made available for inspection at the following location:

**Newfield Production Company**  
**1401 Seventeenth Street - Suite 1000**  
**Denver, CO 80202**

## APPENDIX E

### PLUGGING AND ABANDONMENT REQUIREMENTS

See diagram.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable Federal, State or local law or regulation. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Seal Injection Zone: Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation. Place at least twenty (20) feet of cement plug on top of the CIBP.

PLUG NO. 2: Seal Mahogany Shale and Trona intervals: Squeeze a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale approximately 2765 feet to 2925 feet (unless pre-existing backside cement precludes cement-squeezing this interval) followed by a minimum 160-foot balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale, approximately 2765 feet to 2925 feet.

PLUG NO. 3: Seal USDWs: Squeeze a cement plug (1275 feet - 1375 feet) on the backside of the 5-1/2 inch casing across the base of the Uinta formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 100-foot balanced cement plug inside the 5-1/2 inch casing across the base of the Uinta Formation, approximately 1275 feet to 1375 feet.

PLUG NO.4: Seal Surface: Set a Class "G" cement plug within the 5-1/2 inch casing to 363 feet and up the 5-1/2 inch by 8-5/8 inch casings annulus to the surface.

Federal 7-7-9-18

Spud Date: 9/8/05

Put on Production: - - - -

GL: 5050' KH: 5062'

Proposed P & A  
Wellbore DiagramInitial Production: BOPID,  
MCFID, BWPIDSURFACE CASING

C/S: SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (302.88')

DEPTH LANDED: 312.88' KH

HOLE SIZE: 12 1/4"

CEMENT DATA: 100 sxs Class "G" mixed cement, est 4 bbls cement to surf.

*Cement Plug 1275' - 1375'*PRODUCTION CASING

C/S: SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 135 jts. (5880.08')

DEPTH LANDED: 5878.08' KH

HOLE SIZE: 7 7/8"

CEMENT DATA: 310 sxs Prem. Lite II mixed &amp; 125 sxs 50/50 POZ mix.

CEMENT TOP AT: 150'

Cement top @ 150'

Pump 42 sxs Class G Cement down 5-1/2" casing to 363'

Casing Shoe @ 313'

363'

1322' Green River

2818' Trona

2854' - 2872' Mahogany Bench

3442' - 3639' Confining Zone  
3639' Garden Park20' Class G Cement plug on top of CRP  
CRP 50' above top perf.

4588' Douglas Creek

4772' - 4776'

4890' - 4894'

4907' - 4912'

5116' - 5120'

5146' - 5150'

5198' - 5202'

5211' - 5215'

POTD @ 5785

SHOE @ 5878

TD @ 5880'

5790' Basal Carb.

Est. Wasatch 5915

*Castle Peak 5326' - 5408'*PROPOSED PERFORATIONS

4090' - 4096'	4 JSPP	21 holes
4772' - 4776'	4 JSPP	16 holes
4890' - 4894'	4 JSPP	16 holes
4907' - 4912'	4 JSPP	20 holes
5116' - 5120'	4 JSPP	52 holes
5146' - 5150'	4 JSPP	16 holes
5198' - 5202'	4 JSPP	21 holes
5211' - 5215'	4 JSPP	16 holes

NEWFIELD

Newfield Production

Federal 7-7-9-18

1981' FNI &amp; 1981' FEL

SW/NE Section 7-T9S-R18E

Utah County, Utah

API #43-047-35450; Lease #UTU-16540

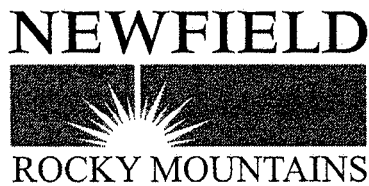
## **APPENDIX F**

### **CORRECTIVE ACTION REQUIREMENTS**

Federal No. 6-7-9-18 will be monitored weekly at the surface for evidence of fluid movement out of the injection zone.

In addition, Newfield developed a corrective action monitoring program, effective July 10, 2008, entitled "Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the Confining Zone".

If possible fluid movement out of the injection zone is identified, either through the weekly monitoring, through Newfield's July 10, 2008 procedure described above, or through any other means (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, tubing-casing annulus pressure readings, or other evidence of a mechanical integrity failure), the Permittee will shut in the Federal No. 7-7-9-18 well immediately and notify the Director. No injection into the Federal No. 7-7-9-18 well will be permitted until the Permittee has notified the Director that the situation has been resolved, submitted Rework Records (EPA Form No. 7520-12) and a schematic diagram, and received authorization from the Director to re-commence injection.



**RE: Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the confining zone**

Effective July 10, 2008 Newfield Production Company will implement the following procedure to address concerns related to protection of Underground Sources of Drinking Water (USDW) in AOR wells where the interval of cement bond index across the confining zone behind pipe has been determined to be inadequate. The procedure is intended to meet the corrective action requirements found in the UIC Class II permit, as well as provide data that could be used to detect and prevent fluid movement out of the proposed injection zone.

- 1) Establish baseline production casing by surface casing annulus pressures prior to water injection in subject well with a calibrated gauge.
- 2) Record the baseline pressure, report findings to Newfield engineering group and keep on file so it is available upon request
- 3) Place injection well in service. Run packer integrity and radioactive tracer logs to verify wellbore integrity and determine zones taking water.
- 4) Construct a geologic cross section showing zones taking water and their geologic equivalent zones in the AOR wells.
- 5) Submit a report of the packer integrity log, radioactive tracer log, and geologic cross section to the Newfield engineering staff for review and keep on file so it is available upon request
- 6) Weekly observations of the site will be made by Newfield during normal well operating activities. Any surface discharge of fluids will be reported immediately.
- 7) After injection well is placed in service, weekly observations of annulus pressure will be made and compared to baseline pressure and will be recorded once monthly. The recorded pressure information will be kept on file and be available upon request.
- 8) If pressure increases by more than 10% above baseline at any time in an AOR well with insufficient cement bond, Newfield will run a temperature survey log in subject well. This log, in concert with the geologic cross section, will enable the determination of water movement in the open hole by production casing annulus through a shift in geothermal gradient.
- 9) If water movement is determined in annulus, Newfield will shut in the injection well and repair the production casing by open hole annulus or leave the injection well out of service.



# **STATEMENT OF BASIS**

**NEWFIELD PRODUCTION COMPANY**

**FEDERAL 7-7-9-18  
UINTAH COUNTY, UT**

**EPA PERMIT NO. UT21099-07413**

***CONTACT:*** Emmett Schmitz  
U. S. Environmental Protection Agency  
Ground Water Program, 8P-W-GW  
1595 Wynkoop Street  
Denver, Colorado 80202-1129  
Telephone: 1-800-227-8917 ext. 312-6174

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

EPA UIC permits regulate the injection of fluids into underground injection wells so that the injection does not endanger underground sources of drinking water. EPA UIC permit conditions are based upon the authorities set forth in regulatory provisions at 40 CFR Parts 144 and 146, and address potential impacts to underground sources of drinking water. Under 40 CFR 144.35 Issuance of this permit does not convey any property rights of any sort or any exclusive privilege, nor authorize injury to persons or property of invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which the content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the construction and operation of injection wells so that the injection does not endanger underground sources of drinking water, governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

## PART I. General Information and Description of Facility

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

on

September 5, 2006

submitted an application for an Underground Injection Control (UIC) Program Permit or Permit Modification for the following injection well or wells:

Federal 7-7-9-18  
1981' FNL and 1981' FEL, NWNE S7, T9S, R18E  
Uintah County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The application, including the required information and data necessary to issue or modify a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed and determined by EPA to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

The Federal No. 7-7-9-18 is currently an active Green River Formation oil well. It is the initial intent of the Permittee to use current production perforations for Class II enhanced recovery injection. The Federal No. 7-7-9-18 has total depth in the Basal Carbonate Member. The Confining Zone has adequate 80% bond index cement bond.

**TABLE 1.1**  
**WELL STATUS / DATE OF OPERATION**

NEW WELLS		
Well Name	Well Status	Date of Operation
Federal 7-7-9-18	New	N/A

## PART II. Permit Considerations (40 CFR 146.24)

### Hydrogeologic Setting

Water wells for domestic supply in this area, when present, generally are completed into the shallow alluvium, the Duchesne River Formation, or the underlying Uinta Formation, and the water generally contains approximately 500 to 1,500 mg/l and higher total dissolved solids.

The Uinta-Animas aquifer in the Uinta Basin is present in water-yielding beds of sandstone, conglomerate, and siltstone of the Duchesne River and Uinta Formations, the Renegade Tongue of the Wasatch Formation, and the Douglas Creek Member of the Green River Formation. The Renegade Tongue of the Wasatch Formation and the Douglas Creek Member of the Green River Formation contain an aquifer along the southern and eastern margins of the basin where the rocks primarily consist of fluvial, massive, irregularly bedded sandstone and siltstone. Water-yielding units in the Uinta-Animas aquifer in the Uinta Basin commonly are separated from each other and from the underlying Mesaverde aquifer by units of low permeability composed of claystone, shale, marlstone, or limestone. In the Uinta Basin, for example, the part of the aquifer in the Duchesne River and Uinta Formations ranges in thickness from 0 feet at the southern margin of the aquifer to as much as 9,000 feet in the north-central part of the aquifer. Ground-water recharge to the Uinta-Animas aquifer generally occurs in the areas of higher altitude along the margins of the basin. Ground water is discharged mainly to streams, springs, and by transpiration from vegetation growing along stream valleys. The rate of ground-water withdrawal is small, and natural discharge is approximately equal to recharge. Recharge occurs near the southern margin of the aquifer, and discharge occurs near the White and Green Rivers (from USGS publication HA 730-C). Water samples from Mesaverde sands in the nearby Natural Buttes Unit yielded highly saline water.

### Geologic Setting (TABLE 2.1)

The proposed enhanced oil recovery injection well is located in the Greater Monument Butte Field, T7-9S and R15-19E, which lies near the center of the broad, gently northward dipping south flank of the Uinta Basin. More than 450 million barrels of oil (63 MT) have been produced from sediments of the Uinta Basin. The Uinta Basin is a topographic and structural trough encompassing an area of more than 9300 square mi (14,900 km) in northeast Utah. The basin is sharply asymmetrical, with a steep north flank bounded by the east-west-trending Uinta Mountains, and a gently dipping south flank. The Uinta Basin was formed in Paleocene to Eocene time, creating a large area of internal drainage which was filled by the ancestral Lake Uinta. The lacustrine, or fresh water lake-formed, sediments deposited in and around Lake Uinta make up the Uintah and Green River Formations. The southern shore of Lake Uinta was very broad and flat, resulting in large cyclic shifts of the location of the shoreline during the many repeated transgressive and regressive cycles caused by the climatic and tectonic-induced rise and fall of water levels of the lake. Distributary-mouth bars, distributary channels, and near-shore bars are the primary oil producing sandstone reservoirs in the area. (Ref: "Reservoir Characterization of the Lower Green River Formation, Southwest Uinta Basin, Utah Biannual Technical Progress Report, 4/1/99-9/30/99", by C. D. Morgan, Program Manager, November 1999, Contract DE-AC26-98BC15103).

The Duchesne River Formation is absent in this area. Shale and siltstone of the Uintah Formation outcrop and compose the surface rock throughout the area. The lower 600 feet to 800 feet of the Uinta Formation, consisting generally of shale interbedded with occasionally water-bearing

sandstone lenses between 5 feet to 20 feet thick, is underlain by the Green River Formation. The Green River Formation is further subdivided into several Member and local marker units. The cyclic nature of Green River deposition in the southern shore area resulted in numerous stacked, intertonguing deltaic and near-shore sand and silt deposits. Red alluvial shale and siltstone deposits that intertongue with the Green River sediments are of the Colton and Wasatch Formations. Under the Wasatch Formation is the Mesaverde Formation, which consists primarily of continental-origin deposits of interbedded shale, sandstone, and coal.

The geologic dip is about 200 feet per mile, and there are no known surface faults in this area. Veins of gilsonite, a natural resinous hydrocarbon occasionally mined as a resource, occurs in the greater Uintah Basin though it is predominantly found on the eastern margin of the basin near the Colorado border. Vertical veins, generally between 2 ft to 6 ft wide but up to 28 ft wide, may extend many miles in length and occasionally extend as deep as 2000 ft. In this area within the Greater Monument Butte Field there is one known gilsonite vein. This vein is not considered to present a pathway for migration of fluid out of the injection zone because it terminates at depth of about 2000 ft, far above the protective confining layer and much deeper injection zone. Newfield and the owner of this former gilsonite mine have agreed to conditions for operation near this vein to ensure no potential for impact to this vein or to ground water from enhanced oil recovery operations.

**TABLE 2.1**  
**GEOLOGIC SETTING**  
**Federal 7-7-9-18**

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Lithology
Uinta	0	1,322		Interbedded fluvial sand and shale with lacustrine sand, shale and carbonate.
Green River	1,322	3,639		Interbedded fluvial sand and shale with lacustrine sand, shale and carbonate.
Green River Trona	2,818	2,854		Evaporite
Green River Mahogany Bench	2,854	2,872		Oil shale
Garden Gulch Confining Zone	3,442	3,639		Shale
Green River Garden Gulch Member	3,639	4,583	> 10,000	Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale.
Green River Douglas Creek Member	4,583	5,790	> 10,000	Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale.
Green River Basal Carbonate Member	5,790	5,915		Carbonate

#### **Proposed Injection Zone(s) (TABLE 2.2)**

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by a confining zone which is free of known open faults or fractures within the Area of Review.

The Environmental Protection Agency (EPA) approved interval for Class II enhanced recovery injection in the Federal No. 7-7-9-18 is located between the top of the Garden Gulch Member

(3639 feet) and the top of the Wasatch Formation estimated to be 5915 feet.

**TABLE 2.2**  
**INJECTION ZONES**  
**Federal 7-7-9-18**

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Fracture Gradient (psi/ft)	Porosity	Exempted?*
Green River	3,639	5,915	> 10,000	0.700		N/A

\* C - Currently Exempted  
E - Previously Exempted  
P - Proposed Exemption  
N/A - Not Applicable

**Confining Zone(s) (TABLE 2.3)**

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

The 197-foot (3442 feet - 3639 feet) shale and argillaceous, impermeable silt Confining Zone directly overlies the top of the Garden Gulch Member.

**TABLE 2.3**  
**CONFINING ZONES**  
**Federal 7-7-9-18**

Formation Name	Formation Lithology	Top (ft)	Base (ft)
Green River	Shale	3,442	3,639

**Underground Sources of Drinking Water (USDWs) (TABLE 2.4)**

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

Throughout the Greater Monument Butte Field area undergoing enhanced oil recovery operations, water analyses of the Green River Formation generally exhibit total dissolved solids (TDS) content well in excess of 10,000 mg/l. However, some recent water analyses from the field showed lower TDS values closer to 10,000 mg/l. While rain and surface water recharge into Green River Formation outcrops further south along the Book Cliffs/Roan Cliffs in effect "freshens" the Green River Formation water near those outcrops, in this area of the Monument Butte Field the observed occasional 'freshening' is ascribed to the effective dilution of the originally in-place high TDS water from injection of relatively fresh water for enhanced oil recovery operations. Water samples from deeper Mesaverde Formation sands in the nearby Natural Buttes Unit yield highly saline water.

The State of Utah "Water Wells and Springs" identifies no public water supply wells within the one-quarter (1/4) mile Area-of-Review (AOR) around the Federal No. 7-7-9-18.

Technical Publication No. 92: State of Utah, Department of Natural Resources, cites the base of Underground Sources of Drinking Water (USDW) in the Uinta Formation approximately 300 feet from the surface. However, absent definitive information relative to the water quality of the Uinta Formation, from the depth of 300 feet to the base of the Uinta Formation (1322 feet), the EPA will require, during plugging and abandonment, a cement plug at the base of the Uinta Formation to protect contamination of possible Uinta USDWs.

**TABLE 2.4**  
**UNDERGROUND SOURCES OF DRINKING WATER (USDW)**  
**Federal 7-7-9-18**

Formation Name	Formation Lithology	Top (ft)	Base (ft)	TDS (mg/l)
Uinta	Interbedded fluvial sand and shale with lacustrine sand, shale and carbonate.	0	1,322	

### **PART III. Well Construction (40 CFR 146.22)**

The Federal No.7-7-9-18 was drilled to a total depth of 5889 feet (KB) feet in the Basal Carbonate Member. Adequate 80% bond index cement is present across the Confining Zone.

Surface casing (8-5/8 inch) was set at a depth of 313 feet in a 12-1/4 inch hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5878 feet (KB) in a 7-7/8 inch hole with 310 sacks of Premium Lite II and 425 sacks of 50/50 poz mix. This well construction is considered adequate to protect USDWs.

The EPA calculates the top of cement as 1125 feet from the surface. The Cement Bond Log (CBL) identifies top of cement at 150 feet. CBL analysis does identify adequate 80% bond index cement bond within the Confining Zone.

The schematic diagram shows enhanced recovery injection perforations in the Garden Gulch and Douglas Creek Members of the Green River Formation. Additional perforations may be added at a later time between the depths of 3639 feet and the top of the Wasatch Formation (Estimated to be 5915 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be set no higher than 100 feet above the top perforation.

**TABLE 3.1**  
**WELL CONSTRUCTION REQUIREMENTS**  
**Federal 7-7-9-18**

Casing Type	Hole Size (in)	Casing Size (in)	Cased Interval (ft)	Cemented Interval (ft)
Production	7.88	5.50	0 - 5,879	150 - 5,879
Surface	12.25	8.63	0 - 313	0 - 313

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

#### **Casing and Cementing (TABLE 3.1)**

The well construction plan was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction details for this "new" injection well is shown in TABLE 3.1.

Remedial cementing may be required if the casing cement is shown to be inadequate by cement bond log or other demonstration of Part II (External) mechanical integrity.

#### **Tubing and Packer**

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

#### **Tubing-Casing Annulus (TCA)**

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a corrosion inhibitor or other fluid approved by the Director.

The tubing/casing annulus must be kept closed at all times so that it can be monitored as required under conditions of the Permit.



## Monitoring Devices

The permittee will be required to install and maintain wellhead equipment that allows for monitoring pressures and providing access for sampling the injected fluid. Required equipment may include but is not limited to: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) fittings or pressure gauges attached to the injection tubing and the TCA for monitoring the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

## PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

**TABLE 4.1**  
**AOR AND CORRECTIVE ACTION**

Well Name	Type	Status (Abandoned Y/N)	Total Depth (ft)	TOC Depth (ft)	CAP Required (Y/N)
Federal 10-7-9-18	Producer	No	5,885	62	No
Federal 6-7-9-18	Producer	No	6,040	0	Yes
Federal 8-7-9-18	Producer	No	5,920	170	No
Federal No. 2-7-9-18	Producer	No	5,900	300	No

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

### Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

### Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

## PART V. Well Operation Requirements (40 CFR 146.23)

**TABLE 5.1**  
**INJECTION ZONE PRESSURES**  
**Federal 7-7-9-18**

Formation Name	Depth Used to Calculate MAIP (ft)	Fracture Gradient (psi/ft)	Initial MAIP (psi)
Green River	4,090	0.700	1,065

### Approved Injection Fluid

The approved injection fluid is limited to Class II injection well fluids pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Injection of non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes, and vacuum truck and drum rinsate from trucks and drums transporting or containing non-exempt waste, is prohibited.

The proposed injectate shall be a blend of culinary water from the Johnson Water District reservoir and/or water from the Green River water pipeline, and blended with produced Green River Formation water from wells proximate to the Federal No. 7-7-9-18.

### Injection Pressure Limitation

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit.

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

FP = formation fracture pressure (measured at surface)

fg = fracture gradient (from submitted data or tests)

sg = specific gravity (of injected fluid)

d = depth to top of injection zone (or top perforation)

### Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs

into an aquifer that has been exempted from protection as a USDW.

There will be no restrictions on the cumulative volume or daily volume of authorized Class II fluid injected into the approved Green River Formation interval. The Permittee shall not exceed the maximum authorized injection pressure 1065 psig.

### **Mechanical Integrity (40 CFR 146.8)**

An injection well has mechanical integrity if:

1. there is no significant leak in the casing, tubing, or packer (Part I); and
2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below.

Well construction and site-specific conditions dictate the following requirements for Mechanical Integrity (MI) demonstrations:

PART I MI: Internal MI will be demonstrated prior to beginning injection. Since this well is constructed with a standard casing, tubing, and packer configuration, a successful mechanical integrity test (MIT) is required to take place at least once every five (5) years. A demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing or packer. Part I MI may be demonstrated by a standard tubing-casing annulus pressure test using the maximum permitted injection pressure or 1000 psi, whichever is less, with a ten (10) percent or less pressure loss over thirty (30) minutes.

## **PART VI. Monitoring, Recordkeeping and Reporting Requirements**

### **Injection Well Monitoring Program**

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, annulus pressure, monthly injection flow rate and cumulative fluid volume. This information is required to be reported annually as part of the Annual Report to the Director.

## **PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)**

### **Plugging and Abandonment Plan**

Prior to abandonment, the well shall be plugged in a manner that isolates the injection zone and

prevents movement of fluid into or between USDWs, and in accordance with any applicable Federal, State or local law or regulation. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. The plugging and abandonment plan is described in Appendix E of the Permit.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable Federal, State or local law or regulation. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Seal Injection Zone: Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation. Place at least twenty (20) feet of cement plug on top of the CIBP.

PLUG NO. 2: Seal Mahogany Shale and Trona intervals: Squeeze a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale approximately 2765 feet to 2925 feet (unless pre-existing backside cement precludes cement-squeezing this interval) followed by a minimum 160-foot balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale, approximately 2765 feet to 2925 feet.

PLUG NO. 3: Seal USDWs: Squeeze a cement plug (1275 feet - 1375 feet) on the backside of the 5-1/2 inch casing across the base of the Uinta formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 100-foot balanced cement plug inside the 5-1/2 inch casing across the base of the Uinta Formation, approximately 1275 feet to 1375 feet.

PLUG NO.4: Seal Surface: Set a Class "G" cement plug within the 5-1/2 inch casing to 363 feet and up the 5-1/2 inch by 8-5/8 inch casings annulus to the surface.

## **PART VIII. Financial Responsibility (40 CFR 144.52)**

### **Demonstration of Financial Responsibility**

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and

abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

Financial Statement that was reviewed and approved by the EPA February 22, 2008.

Financial Statement, received April 22, 2005

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-16540

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
SUNDANCE UNIT

1. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:  
FEDERAL 7-7-9-18

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4304735450

3. ADDRESS OF OPERATOR:

Route 3 Box 3630

CITY Myton

STATE UT

ZIP 84052

PHONE NUMBER

435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1981 FNL 1981 FEL

COUNTY: UINTAH

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE, 7, T9S, R18E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  02/12/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Operations suspended
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operations Suspended. This well is currently waiting approval to complete as an injection well. A permit to complete this well as an injector was sent to the EPA on 08-26-06 and approval has not been received to date. This well has had not activity for all of 2008, and 2009.

**RECEIVED**

**FEB 12 2009**

**DIV. OF OIL, GAS & MINING**

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 02/12/2009

(This space for State use only)

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-16540
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1981 FNL 1981 FEL		8. WELL NAME and NUMBER: FEDERAL 7-7-9-18
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E		9. API NUMBER: 4304735450
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: UINTAH
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  02/12/2009	<input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input checked="" type="checkbox"/> OTHER: - Operations suspended

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operations Suspended. This well is currently waiting approval to complete as an injection well. A permit to complete this well as an injector was sent to the EPA on 08-26-06 and approval has not been received to date. This well has had not activity for all of 2008, and 2009.

NAME (PLEASE PRINT) Jentri Park	TITLE Production Clerk
SIGNATURE 	DATE 02/12/2009

(This space for State use only)

**RECEIVED**

**FEB 17 2009**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Reserv.,  
Other: INJECTION WELL

2. Name of Operator  
**NEWFIELD EXPLORATION COMPANY**

3. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. (include area code)  
(435)646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 1981' FNL & 1981' FEL (SW/NE) SEC. 7, T9S, R18E

At top prod. interval reported below

At total depth

14. Date Spudded  
09/08/2005

15. Date T.D. Reached  
09/30/2005

16. Date Completed 02/19/2009  
☐ D & A ☐ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5050' GL 5062' KB

18. Total Depth: MD 5889'  
TVD

19. Plug Back T.D.: MD 5833'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

SP/GR/DIG CBL, CCL, DIG, CD, CN

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		313'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		5878'		310 PRIMLITE			
						425 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5038'	TA @ 5032'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)			(CP2) 5497'-5504	.49"	4	28
B)			(A2) 5116'-5133	.40	4	92
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5497'-5504'	FRAC W/ 15,097# 20/40S AND IN 131 BBLS FLUID
5116'-5152	FRAC W/ 27,808# 20/40 SAND IN 110 BBLS FLUID

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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**MAR 03 2009**

\*(See instructions and spaces for additional data on page 2)



## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3637' 3810'
				GARDEN GULCH 2 POINT 3	3926' 4174'
				X MRKR Y MRKR	4414' 4448'
				DOUGALS CREEK MRK BI CARBONATE MRK	4582' 4817'
				B LIMESTON MRK CASTLE PEAK	4951' 5386'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5798' 5885'

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) JENTRI PARK

Title Production Clerk

Signature 

Date 11/15/2008

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



February 26, 2009

Mr. Brad Hill  
State of Utah, DOGM  
1594 West North Temple-Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Injection Completion  
Federal 7-7-9-18  
Sec.7, T9S, R18E  
API #43-047-35450

Mr. Brad Hill:

The subject well was completed as a water injection well. An MIT was preformed. Please find enclosed the sundry, a copy of the tabular, work detail and chart. If you have any questions, please contact me at 435-646-4848.

Sincerely,

A handwritten signature in cursive script that reads "Callie Ross".

Callie Ross  
Production Clerk

**RECEIVED**

**MAR 03 2009**

**DIV. OF OIL, GAS & MINING**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-16540
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
1. TYPE OF WELL:      OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		8. WELL NAME and NUMBER: FEDERAL 7-7-9-18
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 4304735450
3. ADDRESS OF OPERATOR: Route 3 Box 3630      CITY Myton      STATE UT      ZIP 84052	PHONE NUMBER 435.646.3721	10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL:  FOOTAGES AT SURFACE: 1981 FNL 1981 FEL		COUNTY: Uintah
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E		STATE: UT

TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEOUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>02/19/2009</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Completed as Injection well
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

API# 43-047-35450

# DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 2/25/09  
Test conducted by: Trefley J. Raza  
Others present: \_\_\_\_\_

Well Name: <u>Fed. 7-7-9-18</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SW/NE</u> Sec: <u>7</u> T <u>9</u> N <u>(S)</u> R <u>18</u> <u>(E)</u> W County: <u>Uintah</u> State: <u>UT</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____ PSIG	

Is this a regularly scheduled test? ☐ Yes ☒ No  
Initial test for permit? ☒ Yes ☐ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
<b>TUBING</b>		<b>PRESSURE</b>		
Initial Pressure	<u>0</u> psig	psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig	psig
<b>CASING / TUBING</b>		<b>ANNULUS PRESSURE</b>		
0 minutes	<u>1410</u> psig	psig	psig	psig
5 minutes	<u>1410</u> psig	psig	psig	psig
10 minutes	<u>1410</u> psig	psig	psig	psig
15 minutes	<u>1410</u> psig	psig	psig	psig
20 minutes	<u>1410</u> psig	psig	psig	psig
25 minutes	<u>1410</u> psig	psig	psig	psig
30 minutes	<u>1410</u> psig	psig	psig	psig
_____ minutes	psig	psig	psig	psig
_____ minutes	psig	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_

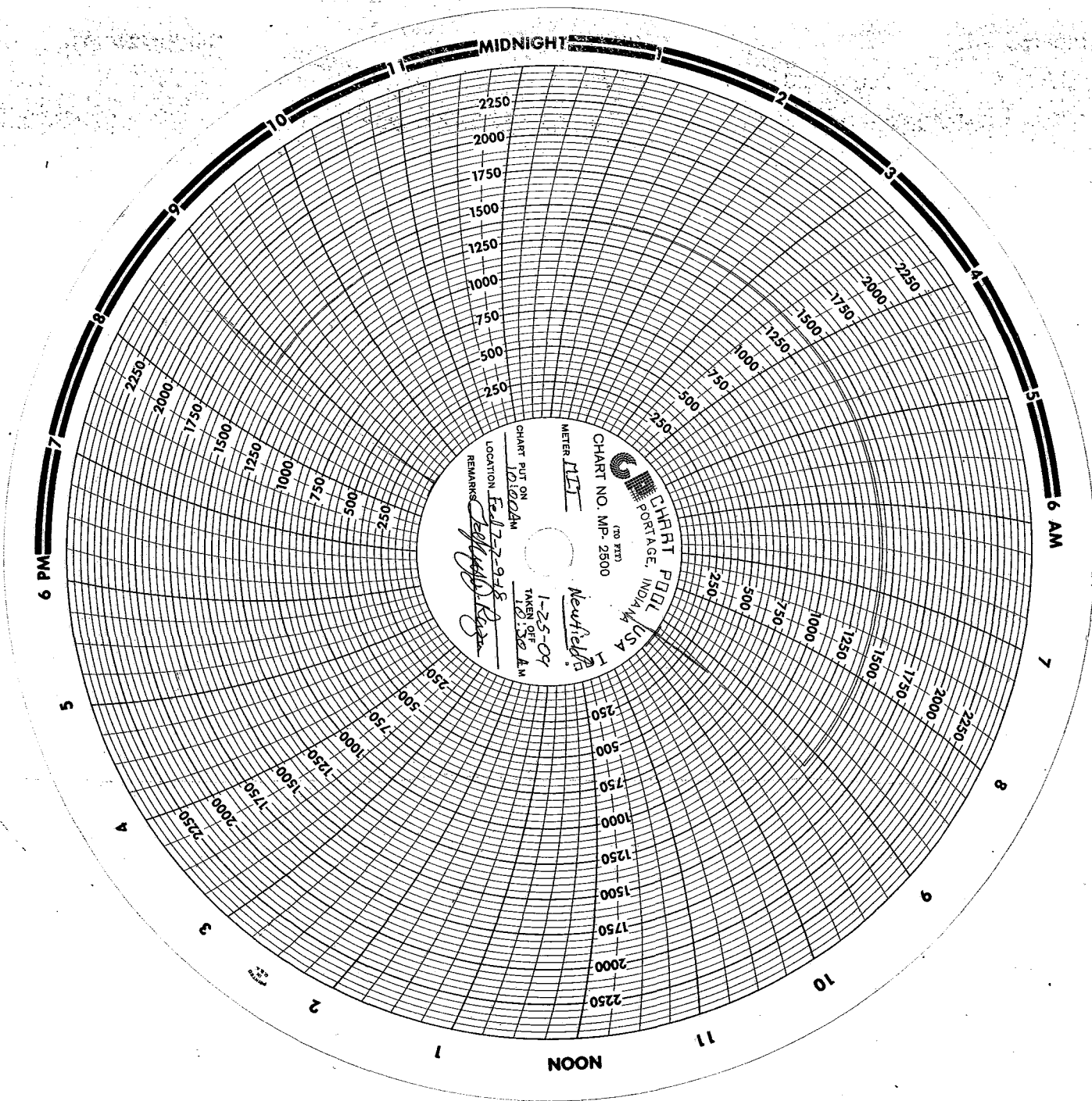


CHART NO. MP-2500  
(70 YRS)  
PORTAGE, INDIA  
USA  
METER *ML*  
CHART PUT ON *1-25-09*  
TAKEN OFF *10:00 AM*  
LOCATION *Feel 17-2-9-18*  
REMARKS *Neufeldt*  
*Edgell*

**FEDERAL 7-7-9-18**  
**12/1/2008 To 4/28/2009**

**2/6/2009 Day: 2****Completion**

Rigless on 2/5/2009 - RU frac head & Cameron BOP's. RU hot oiler & test casing, frac head & valves to 4500 psi. RU Perforators LLC. WLT & mast. RIH w/ 7' X 3-1/8" Slick Gun ( 19 gram, .49"EH, 120° ) & perforate CP2 sds @ @ 5497-5504' w/ 4 spf for total of 28 shots. RD WLT. SIFN.

---

**2/14/2009 Day: 3****Completion**

Rigless on 2/13/2009 - Stage #1, CP2 sands. RU BJ Services. 190 psi on well. Frac CP2 sds w/ 15,097#'s of 20/40 sand in 131 bbls of Lightning 17 fluid. Broke @ 4149 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2070 psi @ ave rate of 23.0 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1327 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 17' & 6" perf guns. Set plug @ 5230'. Perforate A2 sds @ 5146-52' & 5116-33' w/ 3 1/8" slick guns ( 19 gram, .40 HE, 120°, 38.87" pen, EXP-3319-322T Titan) w/ 4 spf for total of 92 shots. 441 BWTR Stage #2, A2 sands. RU BJ Services. 894 psi on well. Frac A2 sds w/ 27,808#'s of 20/40 sand in 110 bbls of Lightning 17 fluid. Broke @ 4057 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1654 psi @ ave rate of 23.1 BPM. ISIP 1841 psi. Open well for immediate flow back @ approx 3 BPM. Well flowed for 3 hrs then died. Recovered approx 432 bbls. SWIFN.

---

**2/18/2009 Day: 4****Completion**

Leed #731 on 2/17/2009 - Thaw BOPs w/ hot oiler. MIRU LEED #731. ND frac BOPs & wellhead. NU production wellhead & BOPs. MU 4 3/4" chomp bit & bit sub. Talley & PU 120- jts "A" grade 2 7/8" J-55 tbg. SWIFN.

---

**2/19/2009 Day: 5****Completion**

Leed #731 on 2/18/2009 - Check pressure on well, 0 psi. Tally & PU 48- jts tbg & tag fill @ 5171'. RU power swivel. Clean out 76' of fill & tag plug @ 5230'. Drill out plug in 25 minutes. PU 16- jts tbg & tag fill @ 5726', clean out to PBTD @ 5833'. Circulate well clean. LD 26- jts tbg. TOO H w/ 122- jts tbg (breaking collars & applying liquid O-ring to threads). SWIFN.

---

**2/20/2009 Day: 6****Completion**

Leed #731 on 2/19/2009 - 0 psi on well. TOO H w/ 41- jts 2 7/8" tbg (breaking collars & applying liquid O-ring to threads). LD bit & bit sub. PU Arrowset 1-X packer, SN & TIH w/ 54- jts "A" grade 2 7/8" J-55 6.5# tbg. Pressure tbg to 4000 psi & held test for 15 min w/ 0 psi loss. TIH w/ 54- jts tbg & pressure tbg to 3500 psi & held test for 15 min w/ 0 psi loss. TIH w/ 55- jts tbg & pressure tbg to 4000 psi. Held pressure test for 30 minutes w/ 0 psi loss. RU sandline. RIH w/ fishing tool on sandline & retrieve standing valve. RD sandline. RD rig floor. ND BOPs. NU wellhead. Pump 85 bbls packer fluid down tbg-csg annulus. Set AS-1X packer w/ CE @ 5034' w/ 15,000# tension. NU wellhead. Pressure annulus to 1400 psi. Held pressure test for 30 min w/ 0 psi loss. RDMOSU. Ready for MIT!



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

MAR 12 2009

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

Michael Guinn  
District Manager  
Newfield Production Company  
Route 3 - Box 3630  
Myton, UT 84052

95 18E 7

RE: **Authority to Commence Injection**  
EPA UIC Permit UT21099-07413  
Federal No. 7-7-9-18  
Uintah County, Utah  
API #: 43-047-35450

Dear Mr. Guinn:

Newfield Production Company (Newfield) has satisfactorily completed Environmental Protection Agency (EPA) **Prior to Commencing Injection** requirements for Final Permit, UT21099-07413, effective September 25, 2008. The Part I (Internal) Mechanical Integrity Test (MIT), Well Rework Record (EPA Form No. 7520-12), schematic diagram, and pore pressure, were reviewed and approved by EPA on March 9, 2009.

As of the date of this letter, Newfield is authorized to commence injection into Federal No. 7-7-9-18 at a maximum allowable injection pressure (MAIP) of **1,065 psig**. Until such time as the Permittee demonstrates through a Step Rate Test (SRT) that the Fracture Gradient (FG) is other than 0.0700 psi/ft, Federal No. 7-7-9-18 shall be operated at a MAIP no greater than **1,065 psig**.

**RECEIVED**  
**MAR 17 2009**  
**DIV. OF OIL, GAS & MINING**

As of this approval, responsibility for permit compliance and enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all monitoring and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well to:

Mr. Nathan Wiser  
Technical Enforcement Program – UIC  
U.S. EPA Region 8: Mail Code 8ENF-UFO  
1595 Wynkoop Street  
Denver, CO 80202-1129

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well permit UT21099 -07413.

If you have questions regarding the above action, please call Emmett Schmitz at 303-312-6174 or 1-800-227-8917, ext. 312-6174.

Sincerely,



Steven Pratt, P.E., CAPM (Inactive)  
Director, Ground Water Program

cc: Uintah & Ouray Business Committee, Ute Indian Tribe  
Curtis Cesspooch, Chairman  
Irene Cuch, Vice-Chairwoman  
Frances Poowegup, Councilwoman  
Ronald Groves, Councilman  
Phillip Chimburas, Councilman  
Steven Cesspooch, Councilman

Daniel Picard, Superintendent  
Uintah & Ouray Indian Agency  
U.S. Bureau of Indian Affairs

Eric Sundberg  
Newfield Production Company  
Denver, CO



Larry Love  
Director  
Energy & Minerals Dept.  
Ute Indian Tribe

Ferron Secakuku  
Director  
Natural Resources  
Ute Indian Tribe

Gilbert Hunt  
Associate Director  
State of Utah -- Division of Oil, Gas & Mining

Fluid Minerals Engineering Dept.  
U.S. Bureau of Land Management  
Vernal, Utah

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-16540

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, recenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
SUNDANCE UNIT

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

8. WELL NAME and NUMBER:  
FEDERAL 7-7-9-18

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

9. API NUMBER:  
4304735450

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1981 FNL 1981 FEL

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will 04/01/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Change status, put well on injection	
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above reference well was put on injection at 9:00am on 4-1-09.

UT21099-07413

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE

*Kathy Chapman*

DATE 04/06/2009

(This space for State use only)

**RECEIVED**

**APR 08 2009**

**DIV. OF OIL, GAS & MINING**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER				5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-16540
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY				6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630		CITY Myton	STATE UT	7. UNIT or CA AGREEMENT NAME: GMBU
		ZIP 84052	PHONE NUMBER 435.646.3721	8. WELL NAME and NUMBER: FEDERAL 7-7-9-18
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1981 FNL 1981 FEL				9. API NUMBER: 4304735450
				10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 7, T9S, R18E				COUNTY: UTAH
				STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 05/11/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on May 11, 2011. Results from the test indicate that the fracture gradient is 0.719 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1065 psi to 1425 psi.

EPA: UT21099-07413

Accepted by the  
Utah Division of  
Oil, Gas and Mining

**FOR RECORD ONLY**

NAME (PLEASE PRINT) <u>Lucy Chavez-Naupoto</u>	TITLE <u>Water Services Technician</u>
SIGNATURE 	DATE <u>05/31/2011</u>

(This space for State use only)

**RECEIVED**  
**JUN 14 2011**  
DIV. OF OIL, GAS & MINING

## Step Rate Test (SRT) Analysis

Date: 04/27/2011

Operator:

Newfield Production Company

Well:

Allen Federal 32-6-9-17

Permit #:

UT20642-08173

**Enter the following data :**

Specific Gravity (sg) of injectate = 1.015 g/cc  
Depth to top perforation (D) = 4246 feet 4246  
Top of permitted injection zone depth (blank=use top perforation to calculate fg) = \_\_\_\_\_ feet  
Estimated Formation Parting Pressure (Pfp) from SRT chart = 1955 psi 1955  
Instantaneous Shut In Pressure (ISIP) from SRT = 1927 psi 1927  
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder = \_\_\_\_\_ psi no downhole

### Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = 0.893 psi/ft.

where:  $fg = Pbhp / D$  (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1927

D = depth used = 4246

Pbhp used = 3793

Calculated Bottom Hole Parting Pressure (Pbhp) = 3793 psi 3793.096

to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + ( 0.433 \* SG \* D )

( Uses lesser of ISIP or Pfp ) Value used = 1927

### Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

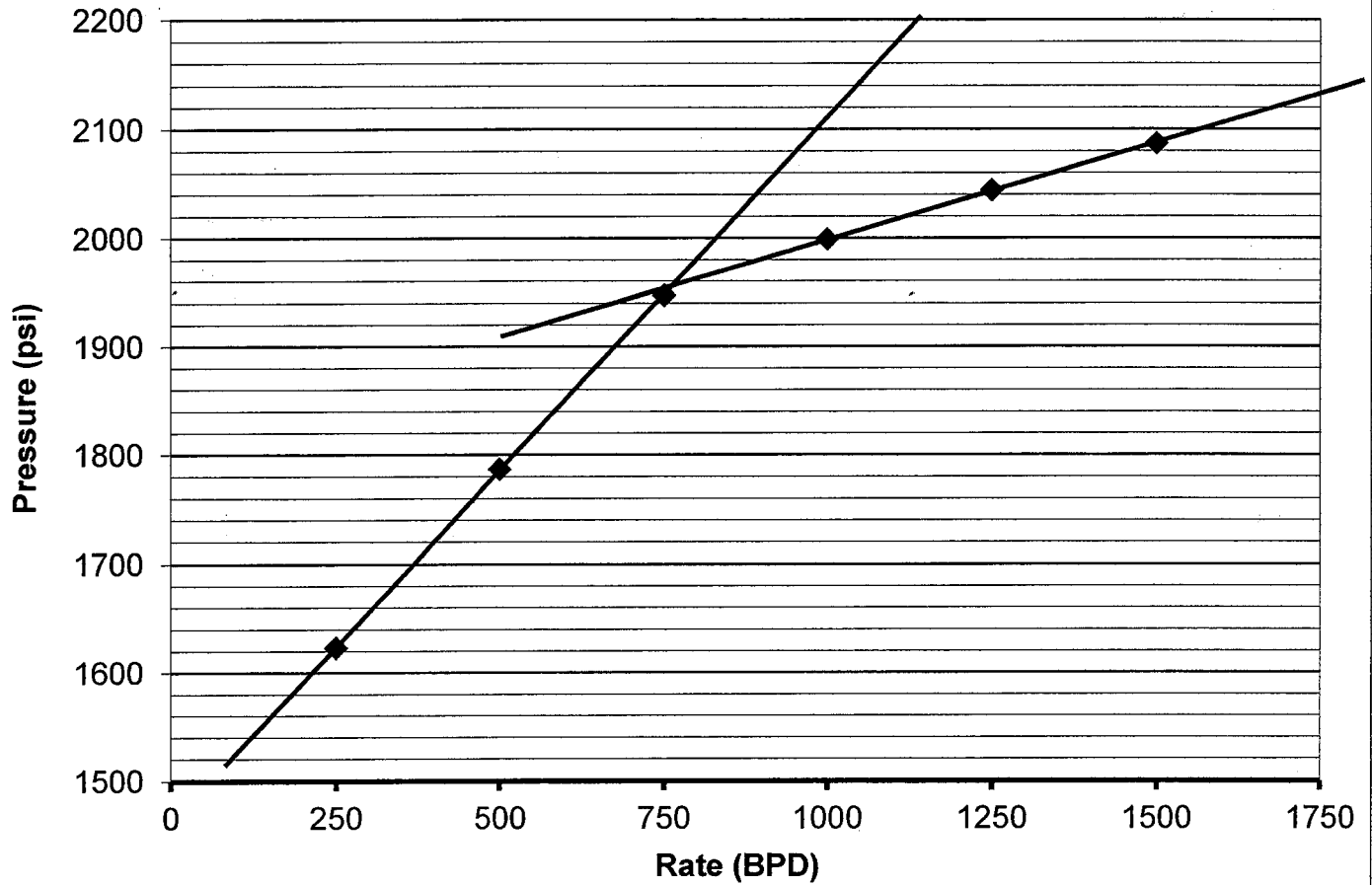
Maximum Allowable Injection Pressure (MAIP) = 1925 psig

D = depth used = 4246

MAIP =  $[fg \cdot ( 0.433 \cdot SG )] \cdot D = 1925.582$

(rounded down to nearest 5 psig)

**Allen Federal 32-6-9-17  
Greater Monument Butte Unit  
Step Rate Test  
April 25, 2011**



**Start Pressure:** 1513 psi  
**Instantaneous Shut In Pressure (ISIP):** 1927 psi  
**Top Perforation:** 4246 feet  
**Fracture pressure (Pfp):** 1955 psi  
**FG:** 0.900 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	250	1623
2	500	1787
3	750	1947
4	1000	1999
5	1250	2044
6	1500	2087

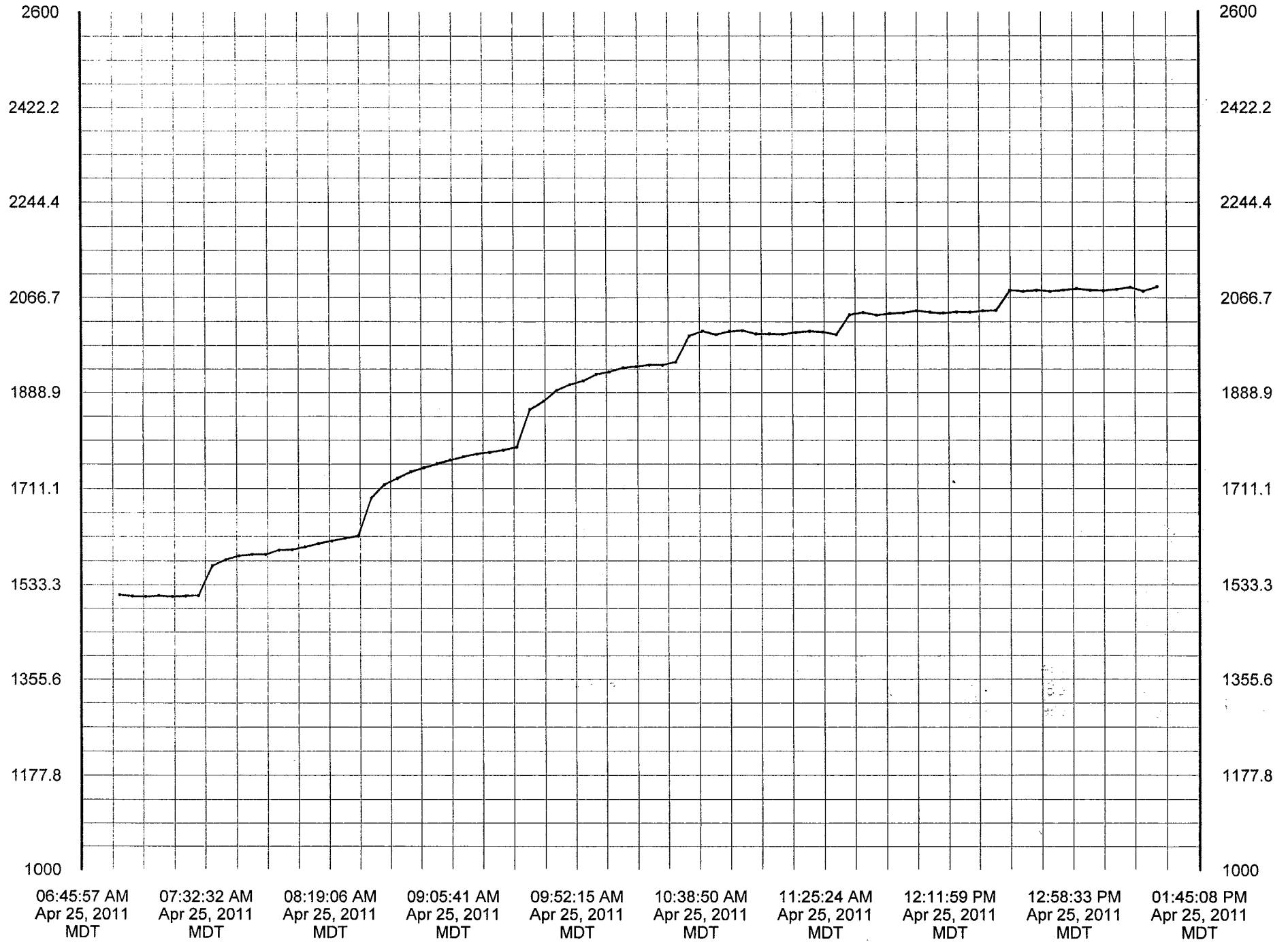
PSIA

Absolute Pressure

Allen Federal 32-6-9-17 SRT  
(4-25-2011)

Device - PrTemp1000  
Serial Number - M75866  
Device ID - PrTemp

PSIA



Report Name: PrTemp1000 Data Table  
 Report Date: Apr 27, 2011 07:35:31 AM MDT  
 File Name: C:\Program Files\PTC® Instruments 2.00\Allen Federal 32-6-9-17 SRT (4-25-2011).csv  
 Title: Allen Federal 32-6-9-17 SRT (4-25-2011)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: Apr 25, 2011 07:00:02 AM MDT  
 Data End Date: Apr 25, 2011 01:30:01 PM MDT  
 Reading Rate: 2 Seconds  
 Readings: 1 to 79 of 79  
 Last Calibration Date: Apr 12, 2011  
 Next Calibration Date: Apr 12, 2012

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Apr 25, 2011 07:00:02 AM	1514.400	PSIA
2	Apr 25, 2011 07:05:01 AM	1512.200	PSIA
3	Apr 25, 2011 07:10:02 AM	1511.400	PSIA
4	Apr 25, 2011 07:15:02 AM	1512.800	PSIA
5	Apr 25, 2011 07:20:02 AM	1511.200	PSIA
6	Apr 25, 2011 07:25:02 AM	1512.400	PSIA
7	Apr 25, 2011 07:30:02 AM	1513.200	PSIA
8	Apr 25, 2011 07:35:02 AM	1568.600	PSIA
9	Apr 25, 2011 07:40:02 AM	1580.000	PSIA
10	Apr 25, 2011 07:45:02 AM	1587.200	PSIA
11	Apr 25, 2011 07:50:02 AM	1589.600	PSIA
12	Apr 25, 2011 07:55:02 AM	1589.400	PSIA
13	Apr 25, 2011 08:00:02 AM	1597.600	PSIA
14	Apr 25, 2011 08:05:02 AM	1598.400	PSIA
15	Apr 25, 2011 08:10:02 AM	1603.800	PSIA
16	Apr 25, 2011 08:15:02 AM	1609.400	PSIA
17	Apr 25, 2011 08:20:02 AM	1614.400	PSIA
18	Apr 25, 2011 08:25:02 AM	1619.000	PSIA
19	Apr 25, 2011 08:30:02 AM	1623.400	PSIA
20	Apr 25, 2011 08:35:02 AM	1693.600	PSIA
21	Apr 25, 2011 08:40:02 AM	1717.600	PSIA
22	Apr 25, 2011 08:45:02 AM	1730.000	PSIA
23	Apr 25, 2011 08:50:02 AM	1742.000	PSIA
24	Apr 25, 2011 08:55:02 AM	1749.000	PSIA
25	Apr 25, 2011 09:00:02 AM	1756.600	PSIA
26	Apr 25, 2011 09:05:02 AM	1762.800	PSIA
27	Apr 25, 2011 09:10:02 AM	1769.200	PSIA
28	Apr 25, 2011 09:15:02 AM	1774.400	PSIA
29	Apr 25, 2011 09:20:02 AM	1777.800	PSIA
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31	Apr 25, 2011 09:30:02 AM	1787.200	PSIA
32	Apr 25, 2011 09:35:01 AM	1857.200	PSIA
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42	Apr 25, 2011 10:25:02 AM	1941.000	PSIA
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54	Apr 25, 2011 11:25:02 AM	2003.200	PSIA
55	Apr 25, 2011 11:30:02 AM	1998.600	PSIA
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57	Apr 25, 2011 11:40:02 AM	2039.400	PSIA
58	Apr 25, 2011 11:45:01 AM	2034.400	PSIA
59	Apr 25, 2011 11:50:02 AM	2037.600	PSIA

60	Apr 25, 2011 11:55:02 AM	2039.000	PSIA
61	Apr 25, 2011 12:00:01 PM	2043.000	PSIA
62	Apr 25, 2011 12:05:01 PM	2040.000	PSIA
63	Apr 25, 2011 12:10:02 PM	2038.400	PSIA
64	Apr 25, 2011 12:15:02 PM	2040.600	PSIA
65	Apr 25, 2011 12:20:02 PM	2040.000	PSIA
66	Apr 25, 2011 12:25:02 PM	2042.800	PSIA
67	Apr 25, 2011 12:30:02 PM	2043.800	PSIA
68	Apr 25, 2011 12:35:02 PM	2080.200	PSIA
69	Apr 25, 2011 12:40:02 PM	2078.600	PSIA
70	Apr 25, 2011 12:45:02 PM	2080.600	PSIA
71	Apr 25, 2011 12:50:02 PM	2078.600	PSIA
72	Apr 25, 2011 12:55:02 PM	2080.800	PSIA
73	Apr 25, 2011 01:00:02 PM	2083.800	PSIA
74	Apr 25, 2011 01:05:02 PM	2080.600	PSIA
75	Apr 25, 2011 01:10:02 PM	2079.800	PSIA
76	Apr 25, 2011 01:15:02 PM	2082.200	PSIA
77	Apr 25, 2011 01:20:02 PM	2086.000	PSIA
78	Apr 25, 2011 01:25:01 PM	2079.000	PSIA
79	Apr 25, 2011 01:30:01 PM	2087.000	PSIA



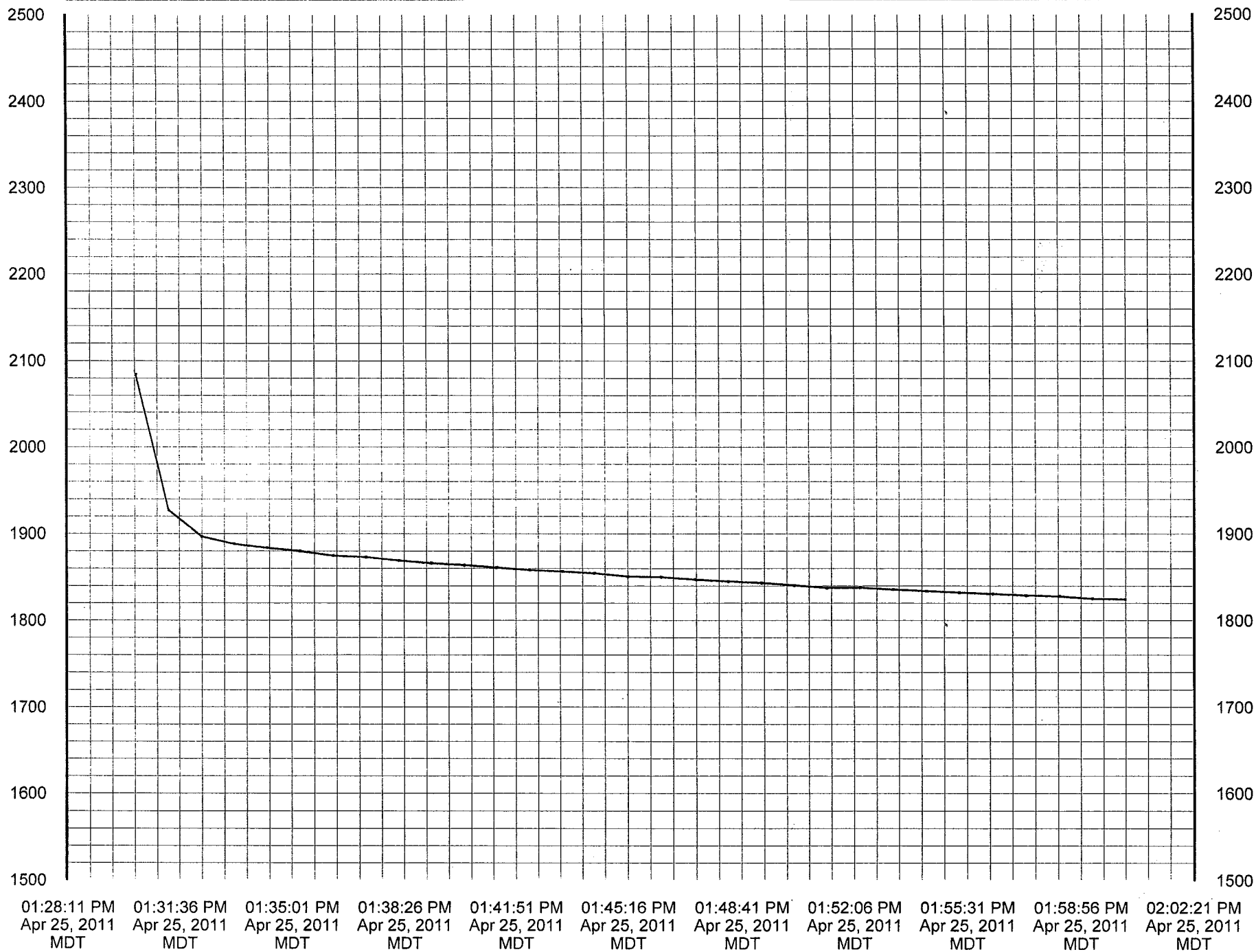
PSIA

Absolute Pressure

Allen Federal 32-6-9-17 ISIP  
(4-25-2011)

Device - PrTemp1000  
Serial Number - M75866  
Device ID - PrTemp

PSIA



Report Name: PrTemp1000 Data Table  
 Report Date: Apr 27, 2011 07:36:10 AM MDT  
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 Title: Allen Federal 32-6-9-17 ISIP (4-25-2011)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: Apr 25, 2011 01:30:16 PM MDT  
 Data End Date: Apr 25, 2011 02:00:17 PM MDT  
 Reading Rate: 2 Seconds  
 Readings: 1 to 31 of 31  
 Last Calibration Date: Apr 12, 2011  
 Next Calibration Date: Apr 12, 2012

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Apr 25, 2011 01:30:16 PM	2084.200	PSIA
2	Apr 25, 2011 01:31:16 PM	1927.400	PSIA
3	Apr 25, 2011 01:32:16 PM	1896.400	PSIA
4	Apr 25, 2011 01:33:16 PM	1888.200	PSIA
5	Apr 25, 2011 01:34:16 PM	1883.600	PSIA
6	Apr 25, 2011 01:35:16 PM	1880.000	PSIA
7	Apr 25, 2011 01:36:16 PM	1875.000	PSIA
8	Apr 25, 2011 01:37:16 PM	1873.200	PSIA
9	Apr 25, 2011 01:38:16 PM	1869.000	PSIA
10	Apr 25, 2011 01:39:16 PM	1866.000	PSIA
11	Apr 25, 2011 01:40:16 PM	1863.800	PSIA
12	Apr 25, 2011 01:41:16 PM	1861.200	PSIA
13	Apr 25, 2011 01:42:16 PM	1858.400	PSIA
14	Apr 25, 2011 01:43:17 PM	1856.600	PSIA
15	Apr 25, 2011 01:44:16 PM	1854.600	PSIA
16	Apr 25, 2011 01:45:16 PM	1850.800	PSIA
17	Apr 25, 2011 01:46:16 PM	1850.200	PSIA
18	Apr 25, 2011 01:47:17 PM	1847.400	PSIA
19	Apr 25, 2011 01:48:17 PM	1845.200	PSIA
20	Apr 25, 2011 01:49:17 PM	1843.400	PSIA
21	Apr 25, 2011 01:50:17 PM	1840.600	PSIA
22	Apr 25, 2011 01:51:17 PM	1837.600	PSIA
23	Apr 25, 2011 01:52:17 PM	1838.000	PSIA
24	Apr 25, 2011 01:53:17 PM	1835.800	PSIA
25	Apr 25, 2011 01:54:17 PM	1834.000	PSIA
26	Apr 25, 2011 01:55:17 PM	1832.200	PSIA
27	Apr 25, 2011 01:56:17 PM	1830.600	PSIA
28	Apr 25, 2011 01:57:17 PM	1828.800	PSIA
29	Apr 25, 2011 01:58:17 PM	1828.000	PSIA
30	Apr 25, 2011 01:59:17 PM	1825.200	PSIA
31	Apr 25, 2011 02:00:17 PM	1824.400	PSIA

# *Allen Federal 32-6-9-17 Rate Sheet (4-25-2011)*

<i>Step # 1</i>	Time:	7:35	7:40	7:45	7:50	7:55	8:00
	Rate:	250.5	250.5	250.5	250.5	250.5	250.4
	Time:	8:05	8:10	8:15	8:20	8:25	8:30
	Rate:	250.4	250.4	250.4	250.3	250.3	250.3
<i>Step # 2</i>	Time:	8:35	8:40	8:45	8:50	8:55	9:00
	Rate:	500.5	500.5	500.5	500.4	500.4	500.4
	Time:	9:05	9:10	9:15	9:20	9:25	9:30
	Rate:	500.3	500.3	500.3	500.3	500.2	500.2
<i>Step # 3</i>	Time:	9:35	9:40	9:45	9:50	9:55	10:00
	Rate:	750.3	750.3	750.3	750.3	750.3	750.2
	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	750.2	750.2	750.2	750.1	750.1	750
<i>Step # 4</i>	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	1000.7	1000.7	1000.6	1000.6	1000.6	1000.5
	Time:	11:05	11:10	11:15	11:20	11:25	11:30
	Rate:	1000.5	1000.5	1000.4	1000.4	1000.3	1000.3
<i>Step # 5</i>	Time:	11:35	11:40	11:45	11:50	11:55	12:00
	Rate:	1250.6	1250.6	1250.6	1250.5	1250.5	1250.5
	Time:	12:05	12:10	12:15	12:20	12:25	12:30
	Rate:	1250.4	1250.4	1250.4	1250.3	1250.3	1250.3
<i>Step # 6</i>	Time:	12:35	12:40	12:45	12:50	12:55	1:00
	Rate:	1500.4	1500.4	1500.3	1500.3	1500.3	1500.3
	Time:	1:05	1:10	1:15	1:20	1:25	1:30
	Rate:	1500.3	1500.2	1500.2	1500.2	1500.1	1500.1
	Time:						
	Rate:						
	Time:						
	Rate:						
	Time:						
	Rate:						
	Time:						
	Rate:						

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-16540
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 7-7-9-18
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1981 FNL 1981 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 07 Township: 09.0S Range: 18.0E Meridian: S		<b>9. API NUMBER:</b> 43047354500000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/13/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Workover MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The above subject well had workover procedures performed (casing leak), attached is a daily status report. Workover MIT performed on the above listed well. On 02/13/2014 the csg was pressured up to 1533 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-07413		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> March 11, 2014		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/28/2014	

**Mechanical Integrity Test****Casing or Annulus Pressure Mechanical Integrity Test**

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 7/13/14  
Test conducted by: Johnny Blum  
Others present: Brendan Curry

Well Name: <u>FED. 7-7-9-18</u>	Type: ER SWD	Status: AC TA UC
Field: <u>GREATER MONUMENT BUTTE UNIT</u>		
Location: <u>7</u>	Sec: <u>7</u>	County: <u>WINTA</u> State: <u>WY</u>
Operator: <u>NEWFIELD EXPLORATION COMPANY</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure:	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No  
 Initial test for permit? ☐ Yes ☒ No  
 Test after well rework? ☒ Yes ☐ No  
 Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 1533/0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>	<b>PRESSURE</b>		
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
<b>CASING / TUBING</b>	<b>ANNULUS</b>	<b>PRESSURE</b>	
0 minutes	<u>1533</u> psig	psig	psig
5 minutes	<u>1535</u> psig	psig	psig
10 minutes	<u>1540</u> psig	psig	psig
15 minutes	<u>1533</u> psig	psig	psig
20 minutes	<u>1533</u> psig	psig	psig
25 minutes	<u>1533</u> psig	psig	psig
30 minutes	<u>1533</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☐ No

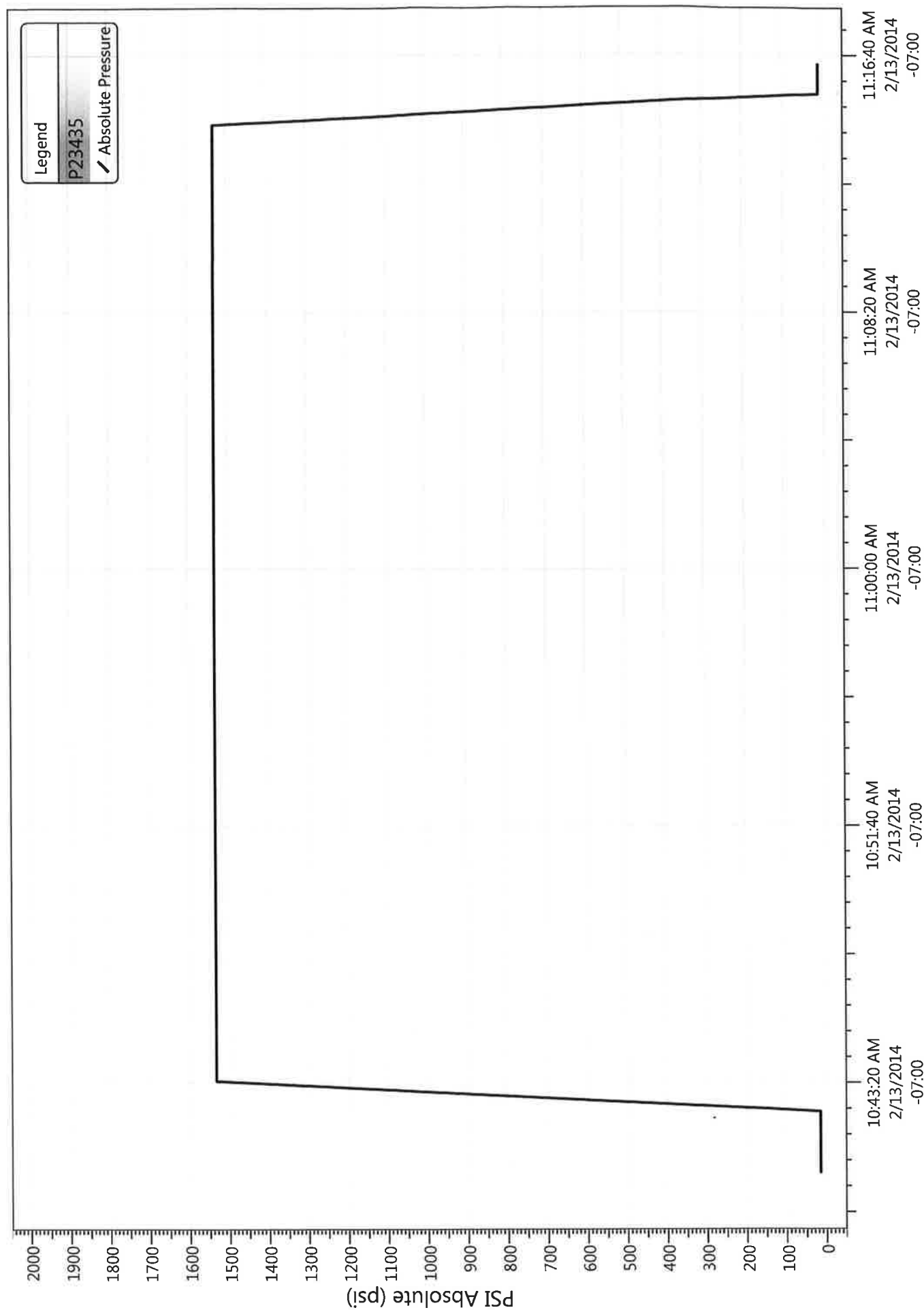
**MECHANICAL INTEGRITY PRESSURE TEST**

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

UPPER CASING MIT  
Signature of Witness: \_\_\_\_\_

7-7-9-18 (2-13-2014)

2/13/2014 10:38:59 AM



## Daily Activity Report

Format For Sundry

FEDERAL 7-7-9-18

12/1/2013 To 4/28/2014

1/31/2014 Day: 2

Tubing Leak

Nabors #1450 on 1/31/2014 - RIG UP SAND LINE AND RUN IN HOLE TO FISH STANDING VALVE. PULL OUT OF HOLE WITH VALVE. PULL OUT OF HOLE WITH TUBING AND PACKER ASSEMBLY - CREW TRAVEL SAFETY MTG - CREW TRAVEL - LEVEL OUT DIRT AROUND WELLHEAD, SPOT IN BASE BEAM. - LEVEL OUT DIRT AROUND WELLHEAD, SPOT IN BASE BEAM. - RIG UP DERRICK INSPECTION - RIG UP DERRICK INSPECTION - FLOW WELL TO ZUBI TANK WHILE RIG CREW POURS NEW ROPE SOCKET ON SAND LINE. GET SWAB LUBE READY - FLOW WELL TO ZUBI TANK WHILE RIG CREW POURS NEW ROPE SOCKET ON SAND LINE. GET SWAB LUBE READY - MAKE 4 SWAB RUNS TO MAKE IT TO SEAT NIPPLE @ 5,031'+/- TO CLEAN OUT TUBING FOR STANDING VALVE. - MAKE 4 SWAB RUNS TO MAKE IT TO SEAT NIPPLE @ 5,031'+/- TO CLEAN OUT TUBING FOR STANDING VALVE. - DROP STANDING VALVE AND TRY TO PUMP DOWN HOLE WITH HOT OILER NO SUCCESS. - DROP STANDING VALVE AND TRY TO PUMP DOWN HOLE WITH HOT OILER NO SUCCESS. - PUSH STANDING VALVE DOWN HOLE WITH SANDLINE TO SEAT NIPPLE. - PUSH STANDING VALVE DOWN HOLE WITH SANDLINE TO SEAT NIPPLE. - PRESSURE UP ON TUBING TO 3000 PSI AND WATCH FOR LOSS FIRST TEST LOST 50 PSI IN 25 MIN. BUMP UP AND WATCH AGAIN. GOT A GOOD TEST AFTER BUMPING UP 2 TIMES. - PRESSURE UP ON TUBING TO 3000 PSI AND WATCH FOR LOSS FIRST TEST LOST 50 PSI IN 25 MIN. BUMP UP AND WATCH AGAIN. GOT A GOOD TEST AFTER BUMPING UP 2 TIMES. - PRESSURE UP ONCASING TO 1500 PSI AND WATCH LOSING 6 PSI PER MIN BUMP UP 2 TIMES AND MADE IT TO 3 PSI A MIN. PRESSURE UP ON CASING AND SHUT WELL IN FOR NIGHT CHESK PRESSURES IN THE MORNING. - PRESSURE UP ONCASING TO 1500 PSI AND WATCH LOSING 6 PSI PER MIN BUMP UP 2 TIMES AND MADE IT TO 3 PSI A MIN. PRESSURE UP ON CASING AND SHUT WELL IN FOR NIGHT CHESK PRESSURES IN THE MORNING. - CREW TRAVEL - CREW TRAVEL - CREW TRAVEL, SAFETY MEETING, START RIG PRE HEAT. - CREW TRAVEL, SAFETY MEETING, START RIG PRE HEAT. - START RIG WARM UP HYDROS. CHECK PRESSURES ON CASING AND TUBING TUBING IS A GOOD TEST CASING FAILED - START RIG WARM UP HYDROS. CHECK PRESSURES ON CASING AND TUBING TUBING IS A GOOD TEST CASING FAILED - PRESSURE UP ON CASING AGAIN BUT IT IS BLEEDING TOO BAD. GOING TO PULL PACKER - PRESSURE UP ON CASING AGAIN BUT IT IS BLEEDING TOO BAD. GOING TO PULL PACKER - RIG UP SAND LINE AND RUN IN HOLE TO FISH STANDING VALVE. PULL OUT OF HOLE WITH VALVE. - RIG UP SAND LINE AND RUN IN HOLE TO FISH STANDING VALVE. PULL OUT OF HOLE WITH VALVE. - BREAK WELL HEAD BOLTS. RUSTED ON. - BREAK WELL HEAD BOLTS. RUSTED ON. - INSTALL 8' SUB, STRIP ON BOP OVER STUMP NIPPLE UP. - INSTALL 8' SUB, STRIP ON BOP OVER STUMP NIPPLE UP. - RIG UP WORK FLOOR TONGS ETC. - RIG UP WORK FLOOR TONGS ETC. - UNSET PACKER AND RIG UP HOT OILER TO TUBING FLUSH 35 BBLS @ 200 DEGREES DOWN TUBING TO CLEAN OUT PIPE. - UNSET PACKER AND RIG UP HOT OILER TO TUBING FLUSH 35 BBLS @ 200 DEGREES DOWN TUBING TO CLEAN OUT PIPE. - PULL OUT OF HOLE WITH TUBING AND PACKER ASSEMBLY(163 JOINTS J55 2 7/8, SEAT NIPPLE, PACKER, COLLAR.) FLUSHED 20 BBLS MID WAY OUT TO CLEAN OUT TUBING. HAD TO CHANGE OUT BACK UP DIES WOULD NOT BITE. - PULL OUT OF HOLE WITH TUBING AND PACKER ASSEMBLY(163 JOINTS J55 2 7/8, SEAT NIPPLE, PACKER, COLLAR.) FLUSHED 20 BBLS MID WAY OUT TO CLEAN OUT TUBING. HAD TO CHANGE OUT BACK UP DIES WOULD NOT BITE. - RUN IN HOLE WITH NEW PACKER AND HARDWARE. DETAIL AS FOLLOWS:163- 2 7/8 J55 TUBING,SEAT NIPPLE, ON/OFF TOOL,5 1/2" PACKER,2 3/8 X 2 7/8 CHANGE OVER, 4' X 2 3/8 PUP JOINT,XN NIPPLE, WIRE LINE REENTRY COLLAR. - RUN IN HOLE WITH NEW PACKER AND HARDWARE. DETAIL AS FOLLOWS:163- 2 7/8 J55 TUBING,SEAT NIPPLE, ON/OFF TOOL,5 1/2" PACKER,2 3/8 X 2 7/8 CHANGE OVER, 4' X 2 3/8 PUP JOINT,XN NIPPLE, WIRE LINE REENTRY COLLAR. - DROP STANDING VALVE AND PUMP DOWN HOLE WITH 25 BBLS. - DROP STANDING VALVE AND

PUMP DOWN HOLE WITH 25 BBLS. - PRESSURE UP TO 3000 PSI AND WATCH FOR PRESSURE LOSS. LOST 10 PSI IN 30 MINUTES. PRESSURE UP TO 3200 PSI AND HOLD OVER NIGHT. - PRESSURE UP TO 3000 PSI AND WATCH FOR PRESSURE LOSS. LOST 10 PSI IN 30 MINUTES. PRESSURE UP TO 3200 PSI AND HOLD OVER NIGHT. - CREW TRAVEL - CREW TRAVEL SAFETY MTG

**Daily Cost:** \$0

**Cumulative Cost:** \$15,920

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**2/4/2014 Day: 4**

**Tubing Leak**

Nabors #1450 on 2/4/2014 - PRESSURE UP TO 1500# AND WATCH LOSS. STILL 100 PSI PER MINUTE LOSS. BUMP UP A FEW TIMES TO BE SURE. CONSULT WITH LOE FOREMAN, INJECTION FOREMAN AND DECIDE TO RUN TANDOM TOOLS TOMORROW. - CREW TRAVEL, SAFETY MEETING, START RIG PRE HEATING. - CREW TRAVEL, SAFETY MEETING, START RIG PRE HEATING. - START RIG WARM HYDROS, CHECK PRESSURES - START RIG WARM HYDROS, CHECK PRESSURES - RIG UP SAND LINE FISH STANDING VALVE. - RIG UP SAND LINE FISH STANDING VALVE. - RIG DOWN WORK FLOOR HANDRAILS TONGS ETC. - RIG DOWN WORK FLOOR HANDRAILS TONGS ETC. - NIPPLE DOWN BOP NIPPLE UP OLD WELLHEAD. - NIPPLE DOWN BOP NIPPLE UP OLD WELLHEAD. - CIRCULATE DOWN CASING WITH 50 BBLS OF JOHNSON FRESH WATER AND PACKER FLUID. - CIRCULATE DOWN CASING WITH 50 BBLS OF JOHNSON FRESH WATER AND PACKER FLUID. - SET PACKER WITH 15000# TENSION AND NIPPLE UP NEW INJECTION TREE. - SET PACKER WITH 15000# TENSION AND NIPPLE UP NEW INJECTION TREE. - PRESSURE UP ON CASING TO 1500# AND WATCH HAD A VALVE LEAKING INSTALLED ANOTHER VALVE AND PRESSURED UP AGAIN . WHEN PRESSURE TESTING STARTED LOOSING 100 PSI PER MIN. UNSET PACKER AND DROPPED ONE JOINT AND RESET AND PUT INJECTION TREE BACK ON AND TRY TO TEST AGAIN. STILL NO GOOD TEST? - PRESSURE UP ON CASING TO 1500# AND WATCH HAD A VALVE LEAKING INSTALLED ANOTHER VALVE AND PRESSURED UP AGAIN . WHEN PRESSURE TESTING STARTED LOOSING 100 PSI PER MIN. UNSET PACKER AND DROPPED ONE JOINT AND RESET AND PUT INJECTION TREE BACK ON AND TRY TO TEST AGAIN. STILL NO GOOD TEST? - UNSET PACKER NIPPLE DOWN INJECTION TREE AND NIPPLE UP BOP TO WELLHEAD. - UNSET PACKER NIPPLE DOWN INJECTION TREE AND NIPPLE UP BOP TO WELLHEAD. - RIG UP WORK FLOOR HANDRAILS TONGS ETC. - RIG UP WORK FLOOR HANDRAILS TONGS ETC. - PULL OUT OF HOLE WITH 50 JOINTS AND SET PACKER TEST CASING AGAINST PIPE RAMS TO DETERMINE IF IT WAS A PACKER OR CASING PROBLEM. TEST FAILED - PULL OUT OF HOLE WITH 50 JOINTS AND SET PACKER TEST CASING AGAINST PIPE RAMS TO DETERMINE IF IT WAS A PACKER OR CASING PROBLEM. TEST FAILED - SECURE WELL FOR NIGHT - SECURE WELL FOR NIGHT - CREW TRAVEL - CREW TRAVEL - CREW TRAVEL, SAFETY MEETING, START RIG PREHEAT. - CREW TRAVEL, SAFETY MEETING, START RIG PREHEAT. - START RIG WARM UP HYDROS - START RIG WARM UP HYDROS - OPEN WELL UP AFTER HOT OILER GETS DONE THAWING, CASING IS FLOWING AND THAWED OUT BUT TUBING IS NOT. RIG UP TO TUBING AND HOT OILER CATCHES PRESSURE, RIG UP TO CASING AND PUMP 10 BBLS DOWN CASING HOT TO THAW TUBING. BOPEN UP TUBING AND LET GAS VENT BEFOR PULLING PIPE - OPEN WELL UP AFTER HOT OILER GETS DONE THAWING, CASING IS FLOWING AND THAWED OUT BUT TUBING IS NOT. RIG UP TO TUBING AND HOT OILER CATCHES PRESSURE, RIG UP TO CASING AND PUMP 10 BBLS DOWN CASING HOT TO THAW TUBING. BOPEN UP TUBING AND LET GAS VENT BEFOR PULLING PIPE - PULL OUT OF HOLE WITH TUBING TO THE PACKER. - PULL OUT OF HOLE WITH TUBING TO THE PACKER. - MAKE UP NEW PACKER, RUN IN HOLE WITH 163 JOINTS OF TUBING ABOVE PACKER. - MAKE UP NEW PACKER, RUN IN HOLE WITH 163 JOINTS OF TUBING ABOVE PACKER. - DROP STANDING VALVE AND PUMP DOWN HOLE WITH 20 BBLS OF WATER - DROP STANDING VALVE AND PUMP DOWN HOLE WITH 20 BBLS OF WATER - PRESSURE TEST TUBING TO 3000# BUMPING UP ONCE GOOD TEST. - PRESSURE TEST TUBING TO 3000# BUMPING UP ONCE GOOD TEST. - RUN IN HOLE WITH SAND LINE AND FISH STANDING VALVE. - RUN IN HOLE WITH SAND LINE AND FISH STANDING VALVE. - NIPPLE DOWN BOP



AND MAKE UP OLD B-1 ADAPTOR FLANGE. - NIPPLE DOWN BOP AND MAKE UP OLD B-1 ADAPTOR FLANGE. - CIRCULATE 50 BBLS OF JOHNSON FRESH WATER WITH PACKER FLUID. - CIRCULATE 50 BBLS OF JOHNSON FRESH WATER WITH PACKER FLUID. - SET PACKER WITH 15000# TENSION AND NIPPLE UP INJECTION TREE. - SET PACKER WITH 15000# TENSION AND NIPPLE UP INJECTION TREE. - PRESSURE UP TO 1500# AND WATCH LOSS. STILL 100 PSI PER MINUTE LOSS. BUMP UP A FEW TIMES TO BE SURE. CONSULT WITH LOE FOREMAN, INJECTION FOREMAN AND DECIDE TO RUN TANDOM TOOLS TOMORROW. - PRESSURE UP TO 1500# AND WATCH LOSS. STILL 100 PSI PER MINUTE LOSS. BUMP UP A FEW TIMES TO BE SURE. CONSULT WITH LOE FOREMAN, INJECTION FOREMAN AND DECIDE TO RUN TANDOM TOOLS TOMORROW. - STRIP ON BOP, RIG UP WORK FLOOR, TONGS ETC. - STRIP ON BOP, RIG UP WORK FLOOR, TONGS ETC. - SECURE WELL FOR NIGHT - SECURE WELL FOR NIGHT - CREW TRAVEL - CREW TRAVEL

**Daily Cost:** \$0

**Cumulative Cost:** \$33,468

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**2/5/2014 Day: 5**

**Tubing Leak**

Nabors #1450 on 2/5/2014 - CONTINUE TO CHASE A HOLE GOT A GOOD TEST @2,960' WENT BACK DOWN TO 3,600' AND BAD TEST TRY TO ELIMINATE ALL POSIBLE LEAK POINTS. DECIDE TO TULL COMPRESION PACKER AND RUN A TENSION PACKER IN THE MORNING. - CREW TRAVEL, SAFETY MEETING, START RIG PRE HEAT. - CREW TRAVEL - PULL 20 JOINTS OF TUBING SET PACKER. HOT OILERS PRESSURE LINE WAS FROZE UP THAW HIM OUT. - PRESSURE UP TO 1500# ON CASING LEAKING 200+ #/ MINUTE - UNSET PACKER PULL OUT OF HOLE WITH TUBING TALLYING AND BREAK DOWN PACKER. - PICK UP AND MAKE UP TANDEM TOOLS BHA. - RUN IN HOLE WITH TUBING AND ISOLATION TOOLS. - SET RETRIEVABLE BRIDGE PLUG @ 5,0031' PULL ONE STAND SET PACKER @ 4,970' +- TEST TOOLS TO 2000# GOOD TEST. - PULL OUT OF HOLE WITH 64 JOINTS - SET PACKER @3,000' AND TEST DOWN TUBING TO 1,500# GOOD TEST. TEST DOWN CASING TO 1,500# LEAKING 100# PER MIN+- . - PULL 20 JOINTS AND TEST DOWN TUBING GOOD TEST. - PULL 10 JOINTS AND TEST DOWN TUBING AGAIN TO 1,500#. - CONTINUE TO CHASE A HOLE GOT A GOOD TEST @2,960' WENT BACK DOWN TO 3,600' AND BAD TEST TRY TO ELIMINATE ALL POSIBLE LEAK POINTS. DECIDE TO TULL COMPRESION PACKER AND RUN A TENSION PACKER IN THE MORNING. - RELEASE PACKER AND PULL OUT WITH 34 JOINTS AND SHUT WELL IN FOR NIGHT. - START RIG WARM UP HYDROS CONTUNUE TO STEAM WELLHEAD AND TUBING.

**Daily Cost:** \$0

**Cumulative Cost:** \$36,994

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**2/6/2014 Day: 6**

**Tubing Leak**

Nabors #1450 on 2/6/2014 - PULL OUT TO 1339' AND TEST AGAIN.GOOD TEST, PULL UP TO 1278' FAILED TEST. RUN IN TO 1308' AND TEST AGAIN. TEST FAILED THE HOLE IN THE CASING IS BETWEEN 1,339' AND 1,308' - CREW TRAVEL, SAFETY MEETING, START RIG PRE HEAT. - START RIG WARM HYDROS - PULL OUT OF HOLE WITH 63 JOINTS OF TUBING AND COMPRESSION SET PACKER BREAK DOWN PACKER AND MAKE UP TENSION SET PACKER. - RUN IN HOLE AND SET PACKER @ 25' AND TEST CASING TO 1500#. WATCH FOR LOSS 50-75# / MINUTE LOSS . BLEED DOWN AND ISOLATE WITH TEST-T AND BUMP UP 2 TIMES TO 1500# STILL 50-75#/MINUTE LOSS. - CREW TRAVEL - PRESSURE UP TO 1500# WATCH FOR LOSS BUMP UP 2 TIMES STILL LEAKING. RUN IN HOLE 600' AT A TIME AND TEST FOR AT LEAST 30 MINUTES PER TEST TO SEE FOR LEVEL OFF. PRESSURE LOSS IS GETTING LOWER EVERY TEST GOOD TEST @ 1824'. - PULLOUT OF HOLE TO 1500' AND GET A GOOD TEST. - PULL OUT TO 1339' AND TEST AGAIN.GOOD TEST, PULL UP TO 1278' FAILED TEST. RUN IN TO 1308' AND TEST AGAIN. TEST FAILED THE HOLE IN THE CASING IS BETWEEN 1,339' AND 1,308' INJECTION OF 20 PSI PER MINUTE. TEST ABOVE PACKER AGAINST PIPE RAMS TO 1500# GOOD TEST. - UNSET PACKER AND SHUT WELL IN FOR NIGHT. - BLEED DOWN

PRESSURE AND UNSET PACKER RUN IN HOLE TO 600' AND SET PACKER.

**Daily Cost:** \$0

**Cumulative Cost:** \$46,507

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**2/7/2014 Day: 7**

**Tubing Leak**

Nabors #1450 on 2/7/2014 - LAY DOWN 15 JOINTS BACK ON TRAILER AND PULL OUT OF HOLE WITH 123 JOINTS AND BIT & SCRAPER. LEFT KILL STRING IN HOLE. SHUT WELL IN FOR NIGHT WAITING ON ORDERS FROM ENGINEERS. - CREW TRAVEL, SAFETY MEETING START RIG PRE HEAT. - START RIG WARM HYDROS - PULL OUT OF HOLE WITH TENSION PACKER AND BREAK DOWN. - RUN IN HOLE WITH RETRIEVAL HEAD AND TUBING TO CATCH PLUG @ 5,031' (LOTS OF ICE IN TUBING HAD TO STEAM OFF TUBING BECAUSE ICE PLUGS WERE A FOOT THICK) - CREW TRAVEL - PULL OUT OF HOLE WITH TUBING AND BRIDGE PLUG BREAK DOWN TOOLS FOR WEATHERFORD. - RUN IN HOLE WITH BIT AND SCRAPER AND TUBING OUT OF DERRICK AND PICK UP 15 JOINTS TO A DEPTH OF 5,524.85'. 20' BELOW BOTTOM PERFS @ 5,504' - LAY DOWN 15 JOINTS BACK ON TRAILER AND PULL OUT OF HOLE WITH 123 JOINTS AND BIT & SCRAPER. LEFT KILL STRING IN HOLE. SHUT WELL IN FOR NIGHT WAITING ON ORDERS FROM ENGINEERS. - LATCH ON TO BRIDGE PLUG AND RELEASE LET WELL EQUILIZE FROM PRESSURE UNDER PERFS

**Daily Cost:** \$0

**Cumulative Cost:** \$53,155

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**2/10/2014 Day: 8**

**Tubing Leak**

Nabors #1450 on 2/10/2014 - REMOVE OLD WELL HEAD AND INSTALL NEW WELL HEAD, NIPPLE UP BOP - FLUSH 10 BBLS HOT DOWN TUBING AND DROP STANDING VALVE, PUMP DOWN WITH 10 BBLS AND PRESSURE UP TO 3000# WATCH FOR DROP. ENGINEERS CHANGED THEIR MINDS ON THE SET UP. - RIG UP SAND LINE AND FISH STANDING VALVE. - SHUT WELL IN FOR WEEKEND. - CREW TRAVEL - CREW TRAVEL, SAFETY MEETING, START RIG PRE HEAT. - PICK UP BOTTOM SET OF TOOLS AND RUN IN HOLE WITH 117 JOINTS OF TUBING TO THE FIRST TEST. - PULL OUT OF HOLE WITH 40 JOINTS AND BIT AND SCRAPER. - RIG DOWN WORK FLOOR. - WAIT FOR CAMERON TO DELIVER WELL HEAD. - REMOVE OLD WELL HEAD AND INSTALL NEW WELL HEAD, NIPPLE UP BOP - RIG UP WORK FLOOR TONGS ETC - START RIG, WARM HYDROS

**Daily Cost:** \$0

**Cumulative Cost:** \$61,199

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**2/11/2014 Day: 9**

**Tubing Leak**

Nabors #1450 on 2/11/2014 - RE TORQUE NEW SCREW ON WELL HEAD. CIRCULATE CASING VOLUME OF 80 BBLS OF JOHNSON FRESH AND PACKER FLUID. SET AROSET PACKER WITH 12K TENSION NIPPLE UP WELL HEAD. - CREW TRAVEL, SAFETY MEETING, PRE HEAT RIG. - START RIG WARM UP HYDROS. - WAIT FOR TOOL HAND TO ARRIVE ON LOCATION (SAFETY STAND DOWN) FIGURE UP NEW STRING ACCORDING TO NEW PROCEDURE - RUN IN HOLE WITH REMAINDER OF PIPE AND HRP SETUP. LAND WITH DONUT - RIG DOWN WORK FLOOR TONGS ETC - NIPPLE DOWN BOP. - CREW TRAVEL - WAIT FOR FRESH WATER TO ARRIVE ON LOCATION. - CIRCULATE CASING VOLUME OF 80 BBLS OF JOHNSON FRESH AND PACKER FLUID. - SET AROSET PACKER WITH 12K TENSION NIPPLE UP WELL HEAD. - DROP STANDING VALVE AND PUMP DOWN WITH 7 BBLS AND PRESSURE UP TO 1800# HOLD FOR 30 MINUTES (GOOD TEST) - WALK PRESSURE UP TO 3000# AND WATCH HRP'S SET HOLD PRESSURE FOR 15 MINUTES. - FISH STANDING VALVE. - RE TORQUE NEW SCREW ON WELL HEAD.

**Daily Cost:** \$0

**Cumulative Cost:** \$71,202

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**2/12/2014 Day: 10**

**Tubing Leak**

Nabors #1450 on 2/12/2014 - PRESSURE UP ON TUBING AND CASING BETWEEN AROSET PACKER AND BOTTOM HRP TO 1500# WATCH FOR LOSS LOOSING 1/2-1 1/2 PSI PER MINUTE ( POSSIBLY PARRAFIN) HELD FOR 27 MIN THEN DROPPED MAYBE 20 PSI RESTART TIME. - TRAVEL TO RIG FROM NCPS SAFETY MEETING - START RIG WAIT FOR HOT OILER TO FINISH STEAMING OFF WELLHEAD - BLEED OFF TUBING TO ZUBIATE TANK 200 PSI. - PUMP 10 BBLS DOWN TUBING AT 250 DEGREES LOTS OF INJECTION PRESSURE. RIG UP SAND LINE LUBE WHILE PUMPING. - CREW TRAVEL - PRESSURE UP ON TUBING AND CASING BETWEEN AROSET PACKER AND BOTTOM HRP TO 1500# WATCH FOR LOSS LOOSING 1/2-1 1/2 PSI PER MINUTE( POSSIBLY PARRAFIN) HELD FOR 27 MIN THEN DROPPED MAYBE 20 PSI RESTART TIME. - BLEED OFF TUBING FISH STANDING VALVE. RIG DOWN SANDLINE - PRESSURE UP ON TOP SECTION OF CASING BETWEEN SURFACE AND AND TOP HRP TO 1500# AND WATCH FOR BLEED OFF BLEED 20# IN FIRST 30 MINUTES THEN HELD SOLID( GOOD TEST) - BLEED OF TOP SECTION OF CASING TO 1000# AND SHUT WELL IN FOR NIGHT. - DROP 2 3/8 STANDING VALVE AND CHASE WITH SANDLINE TO BOTTOM PARRAFIN LAST 1000'.

**Daily Cost:** \$0

**Cumulative Cost:** \$78,805

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**2/13/2014 Day: 11**

**Tubing Leak**

Nabors #1450 on 2/13/2014 - PREP AND TALLY FIRST ROW OF 1.66 TUBING. WAIT FOR JOINT OF 1.660" TUBING TO GET HAULED IN TO WE MACHINE AND GET CUT AND THREADED AND RETURNED TO LOCATION. - CREW TRAVEL, SAFETY MEETING, PRE HEAT RIG - START RIG WARM HYDROS - RIG UP FLOW T AND RATAGIN FOR WELL CONTROL WITH 1.66 TUBING RIG DOWN WORK FLOOR - WAIT FOR RUNNERS TO DELIVER 1.66 TUBING. - PREP AND TALLY FIRST ROW OF 1.66 TUBING. - CREW TRAVEL - STRIP OFF FLOW T AND RATAGIN. DROP WORK FLOOR. - WAIT FOR JOINT OF 1.660" TUBING TO GET HAULED IN TO WE MACHINE AND GET CUT AND THREADED AND RETURNED TO LOCATION. - LAND 1.66 TUBING ON DONUT WITH 6K COMPRESSION NIPPLE UP WELL HEAD. - PRESSURE UP TO 1500# ON 2 7/8 TUBING AND CASING BETWEEN AROSET PACKER AND BOTTOM HRP. - SECURE WELL FOR NIGHT - MAKE UP STINGER AND CROSS OVER AND PICK UP TUBING, TALLY SECOND ROW. FINAL STRING AS FOLLOWS: X/O,1 JOINT,CUT OFF PUP, 52 JOINTS, XO, STINGER.

**Daily Cost:** \$0

**Cumulative Cost:** \$86,491

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**2/14/2014 Day: 12**

**Tubing Leak**

Nabors #1450 on 2/14/2014 - CHECK PRESSURE LEFT ON LOWER CASING OVER NIGHT GOOD TEST. WAIT FOR NFX TO ARRIVE TO MIT WELL. - CREW TRAVEL,SAFETY MEETING, PRE HEAT RIG. - CHECK PRESSURE LEFT ON LOWER CASING OVER NIGHT GOOD TEST. WAIT FOR NFX TO ARRIVE TO MIT WELL. - MOVE RIG TO THE FEDERAL 8-33-8-18. END TICKET. - RIG DOWN WRAP CABLES - LOAD BASE BEAM, CHAIN UP RIG TO MAKE IT OFF LOCATION - MIT TEST WITH NFX.

**Daily Cost:** \$0

**Cumulative Cost:** \$95,897

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**2/18/2014 Day: 13**

**Tubing Leak**

Rigless on 2/18/2014 - Conduct MIT - Workover MIT performed on the above listed well. On

02/13/2014 the csg was pressured up to 1533 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-07413 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$114,746

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**Pertinent Files: [Go to File List](#)**

## Federal 7-7-9-18

Spud Date: 9/8/05

Put on Production: -- -- --

GL: 5050' KB: 5062'

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (302.88')

DEPTH LANDED: 312.88' KB

HOLE SIZE: 12 1/4"

CEMENT DATA: 160sxs Class "G" mixed cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 135 jts. (5880.08')

DEPTH LANDED: 5878.08' KB

HOLE SIZE: 7 7/8"

CEMENT DATA: 310 sxs Prem, Lite II mixed &amp; 425 sxs 50/50 POZ mix,

CEMENT TOP AT: 150'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

KB &amp; HANGER 12.85'

NO. OF JOINTS: 40 jts (1235.82')

HRP PACKER 5-1/2 x 2-7/8 CE @ 1251.47'

NO. OF JOINTS: 6 jt (184.1)

HRP PACKER 5-1/2 x 2-7/8 CE @ 1441.9'

NO. OF JOINTS: 10 jt (311.62)

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 1757' KB

6' PBR SUB 2-7/8" AT: 1758.1'

PBR 3-11/16" OD (4.8') @ 1764.2

NO. OF JOINTS: 107 jts (3301.3')

XO 2-3/8 x 2-7/8 J-55 AT: 5070.3'

ARROW #1 PACKER CE AT: 5075.64'

RE ENTRY GUIDE AT: 5079.3'

TOTAL STRING LENGTH: EOT @ 5079.77'

INNER STRING 1.66"

KB &amp; HANGER (10.85')

1.66 x 2-3/8 XO (0.36) @ 11.21'

NO. OF JOINTS: 1 jt (32.57') 43.78'

TBG PUP 1.66" AT 65.95'

NO. OF JOINTS: 52 jts (691.29') 1757.24'

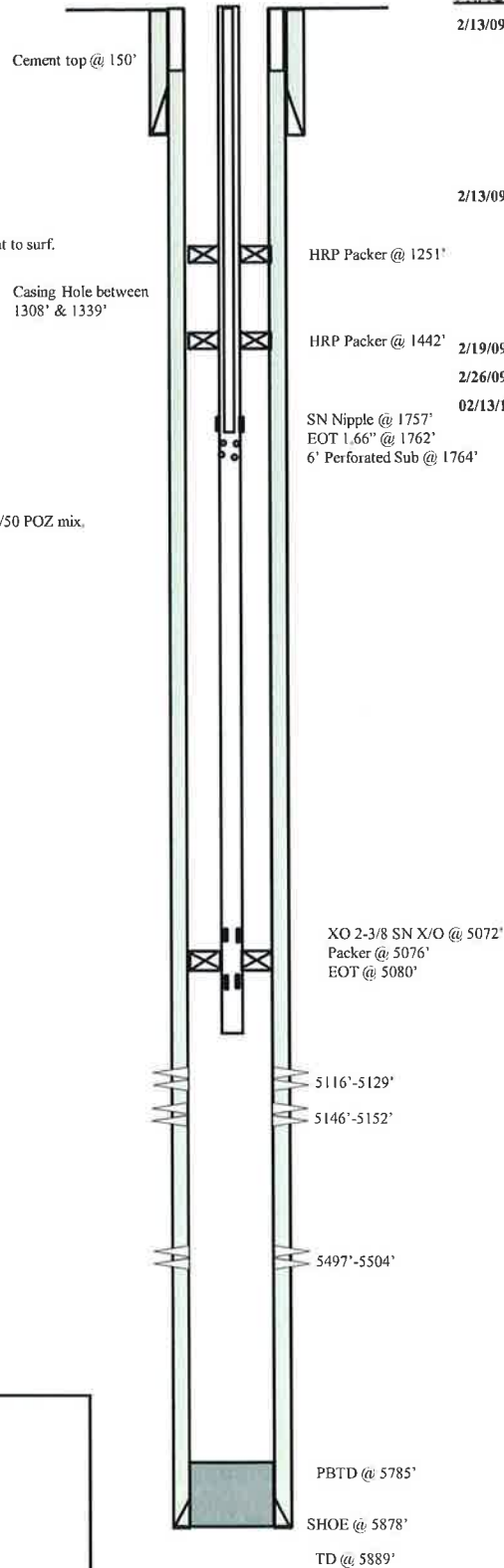
1.66 x 1.900 XO (.54') 1757.78'

PBR STINGER 4.33' OA (.33) AT: 1758.11'

1.66" EOT @ 1762.11

**NEWFIELD****Federal 7-7-9-18**1981' FNL & 1981' FEL  
SW/NE Section 7-T9S-R18E  
Uintah County, Utah

API #43-047-35450; Lease #UTU-16540

FRAC JOB

2/13/09 5497' - 5504'

Frac CP2 sds as follows:

w/ 15,097#s of 20/40 sand in 131 bbls of Lightning 17 fluid. Broke @ 4149 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2070 psi @ ave rate of 23.0 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1327 psi.

2/13/09 5116' - 5152'

Frac A2 sds as follows:

w/ 27,808#s of 20/40 sand in 110 bbls of Lightning 17 fluid. Broke @ 4057 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1654 psi @ ave rate of 23.1 BPM. ISIP 1841 psi.

2/19/09

2/26/09

02/13/14

Well completed as an Injection well.

MIT completed and submitted.

Workover MIT Finalized - Tbg Leak - update tbg detail

PERFORATION RECORD

2/13/09	5116'-5129'	4 JSPF	92 holes
2/13/09	5146'-5152'	4 JSPF	92 holes
2/5/09	5497'-5504'	4 JSPF	28 shots